

A1 in Northumberland: Morpeth to Ellingham

Scheme Number: TR010059

6.31 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]

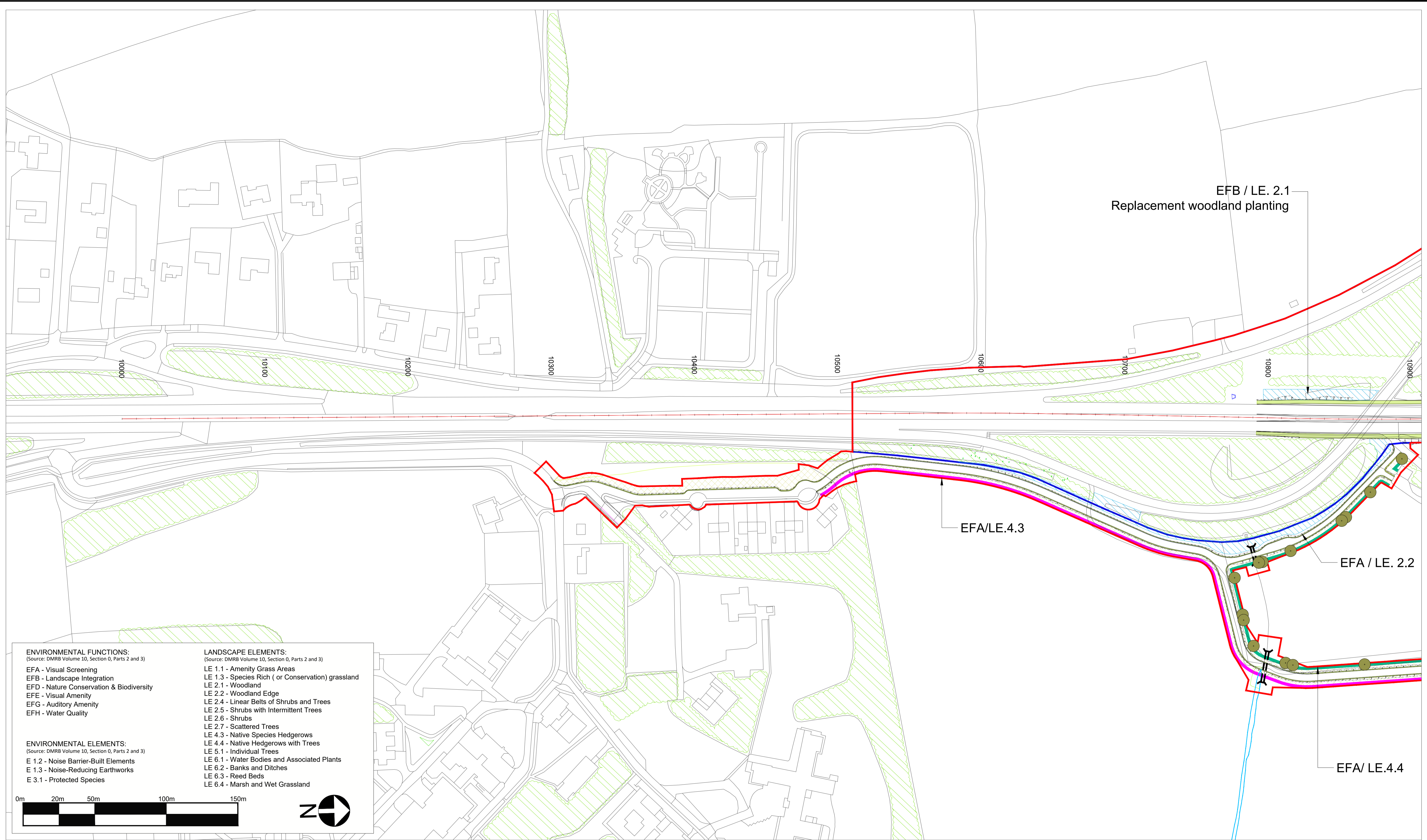
Landscape Mitigation Masterplan Part A

Rule Reference:	8(1)(c)
Planning Inspectorate Scheme Reference:	TR010059
Doc Reference:	6.31
Author:	A1 in Northumberland: Morpeth to Ellingham Project Team, Highways England

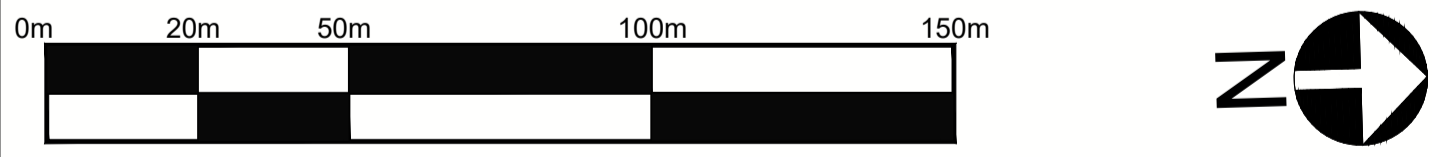
Version	Date	Status of Version
Rev 2	March 2021	Deadline 4

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
 - 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



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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 soil bund, slackening of slope or disposal of excess site material |
| Existing hedgerow to be retained | Proposed hedgerow - by agreement | Proposed conservation grassland | Proposed Permanent Highway Boundary | Noise barrier | Essential mitigation - earth bund | Proposed shrub - ecological mitigation |
| 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 | | | | | |

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

Suitability: For Information

Status: S1

Client:

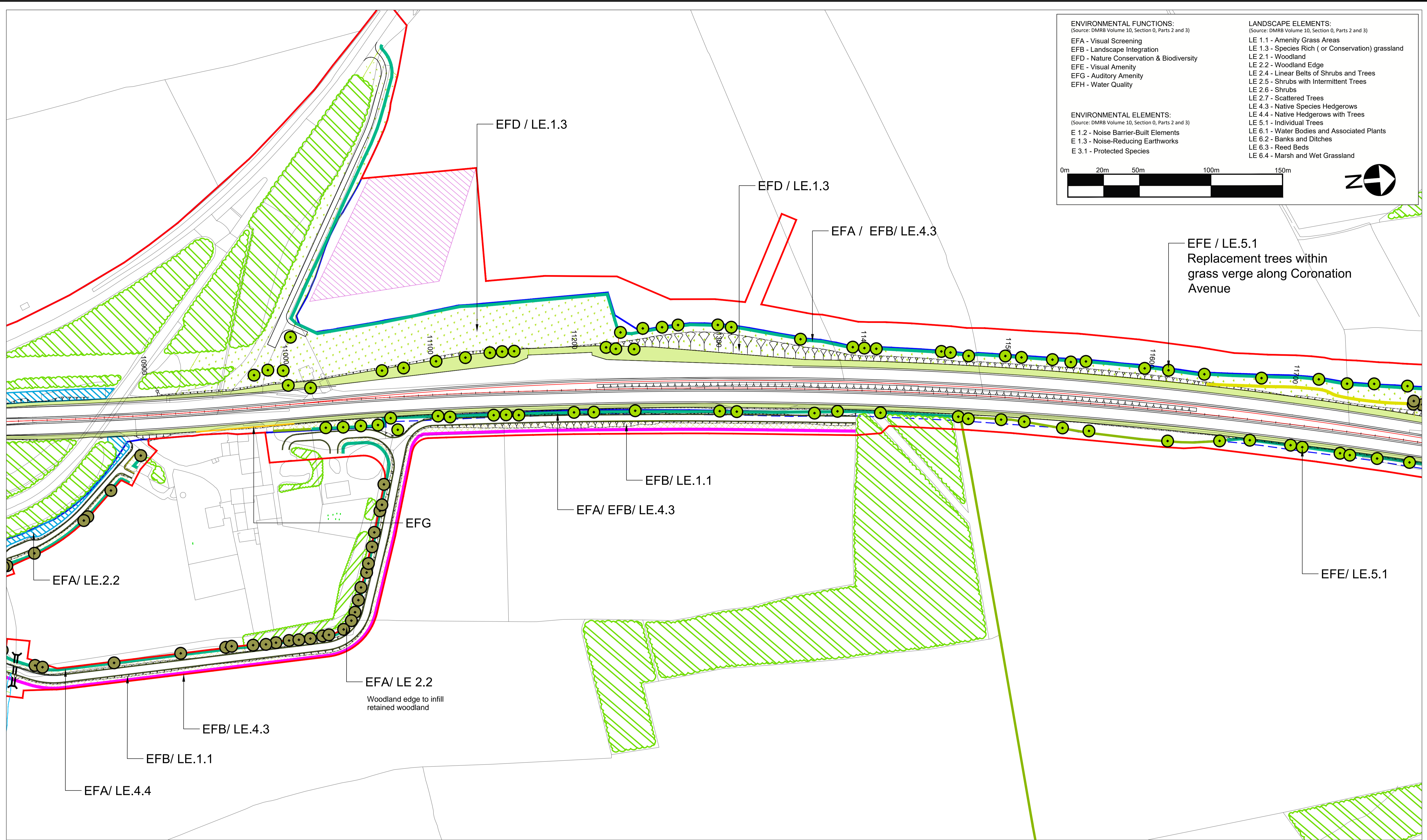
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Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 1 OF 19					
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Original Size: A1	Date: 02.02.2021	Date: 02.02.2021	Date: 02.02.2021	Date: 02.02.2021	
Drawing Number: HE551459	Project: WSP	Volume: 6.2	Revision: P09	PW Stage Code	
Section:	Type:	ID:	Direction:	Type:	Role:

DO NOT SCALE

Millimetres

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

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

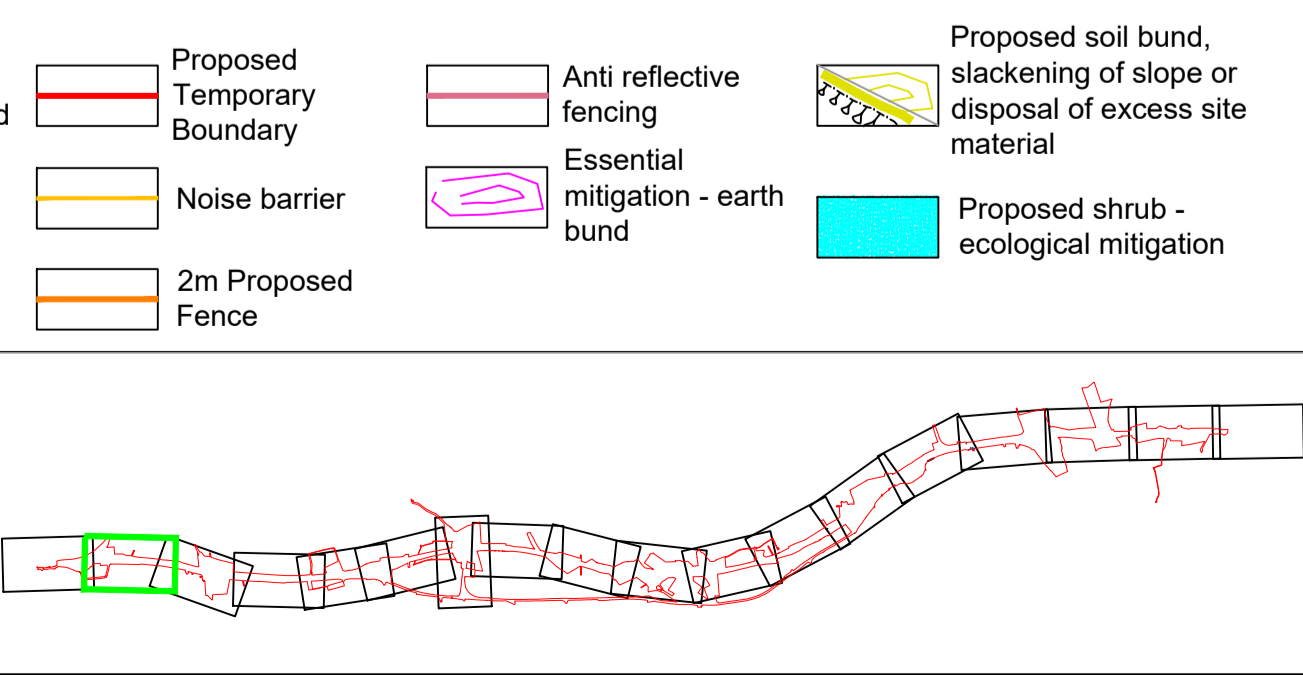
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0m 20m 50m 100m 150m

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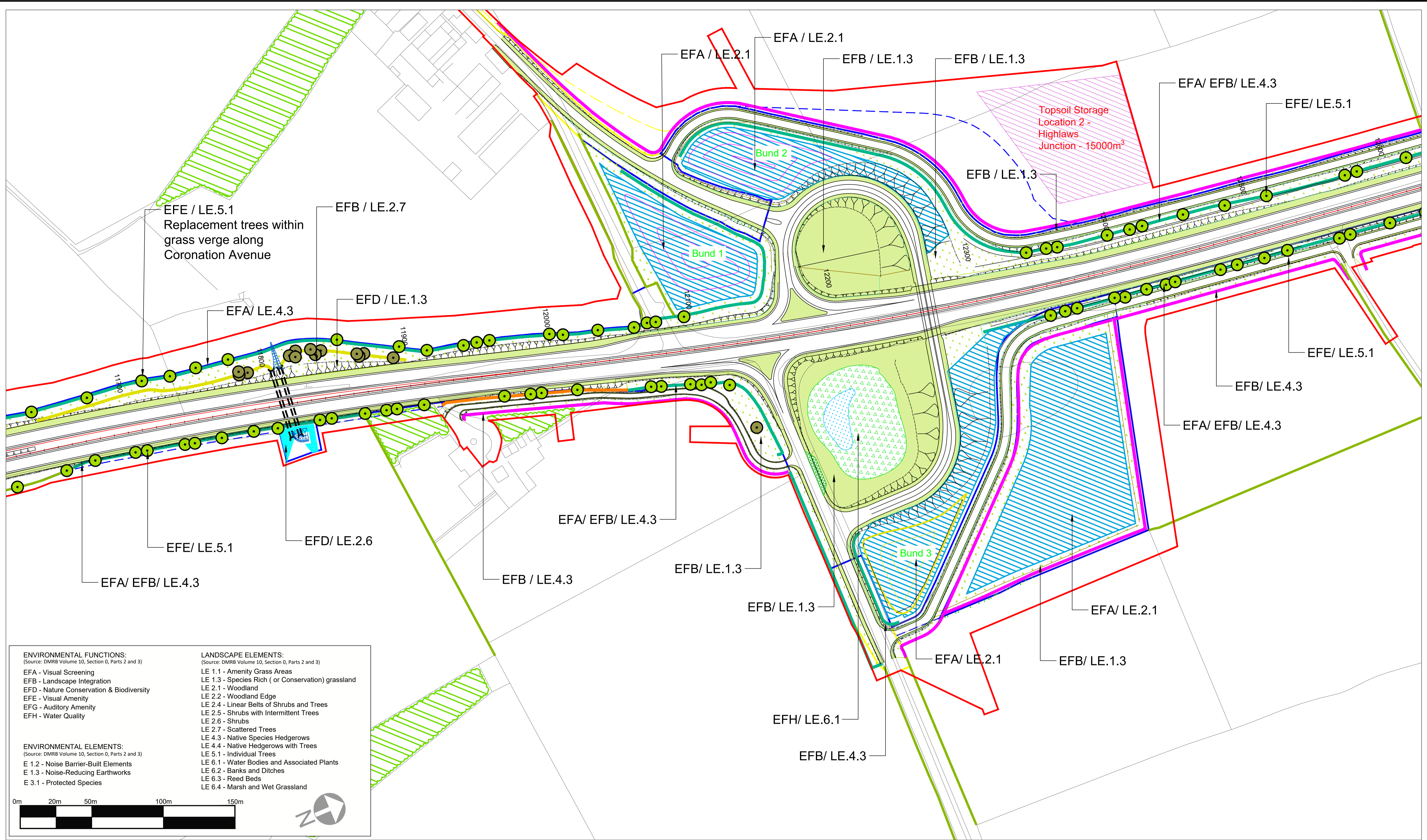
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1	rv date	Rev 1 description				

highways england

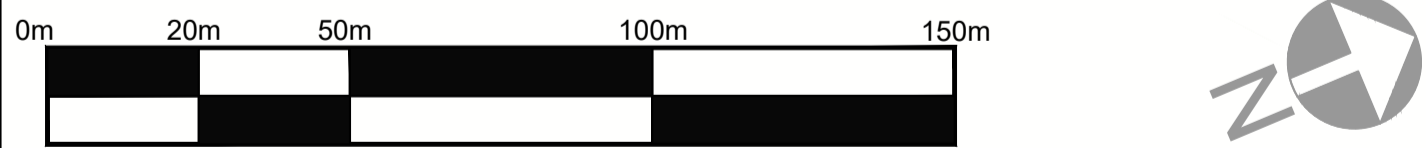
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Drawing Number	Project	Volume	Revision		
HE551459	WSP	6.2	P09		
Section	Type	ID	Direction	Type	Number

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1	rv date	Rev 1 description				

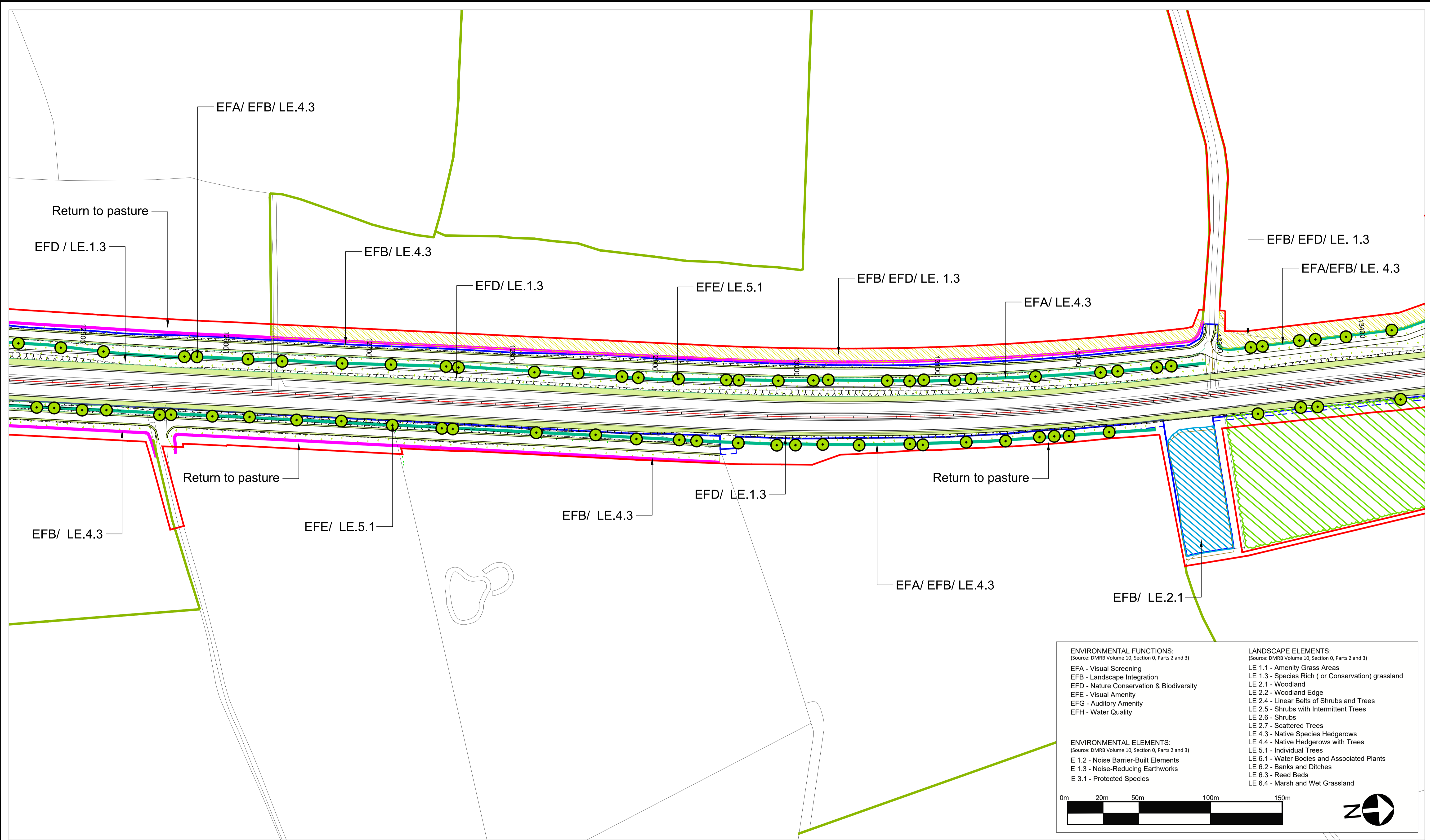
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Status: S1

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Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 3 OF 19			
Scale: 1:1250	Drawn: NB	Eng. Check: AW	Approved: AW
Original Size: A1	Date: 02.02.2021	Date: 02.02.2021	Date: 02.02.2021
Drawing Number: HE551459	Project: WSP	Volume: 6.2	Revision: P09
Section:	Type:	ID:	Direction: M2F
Type:	Role:	Number:	

DO NOT SCALE
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0m 20m 50m 100m 150m

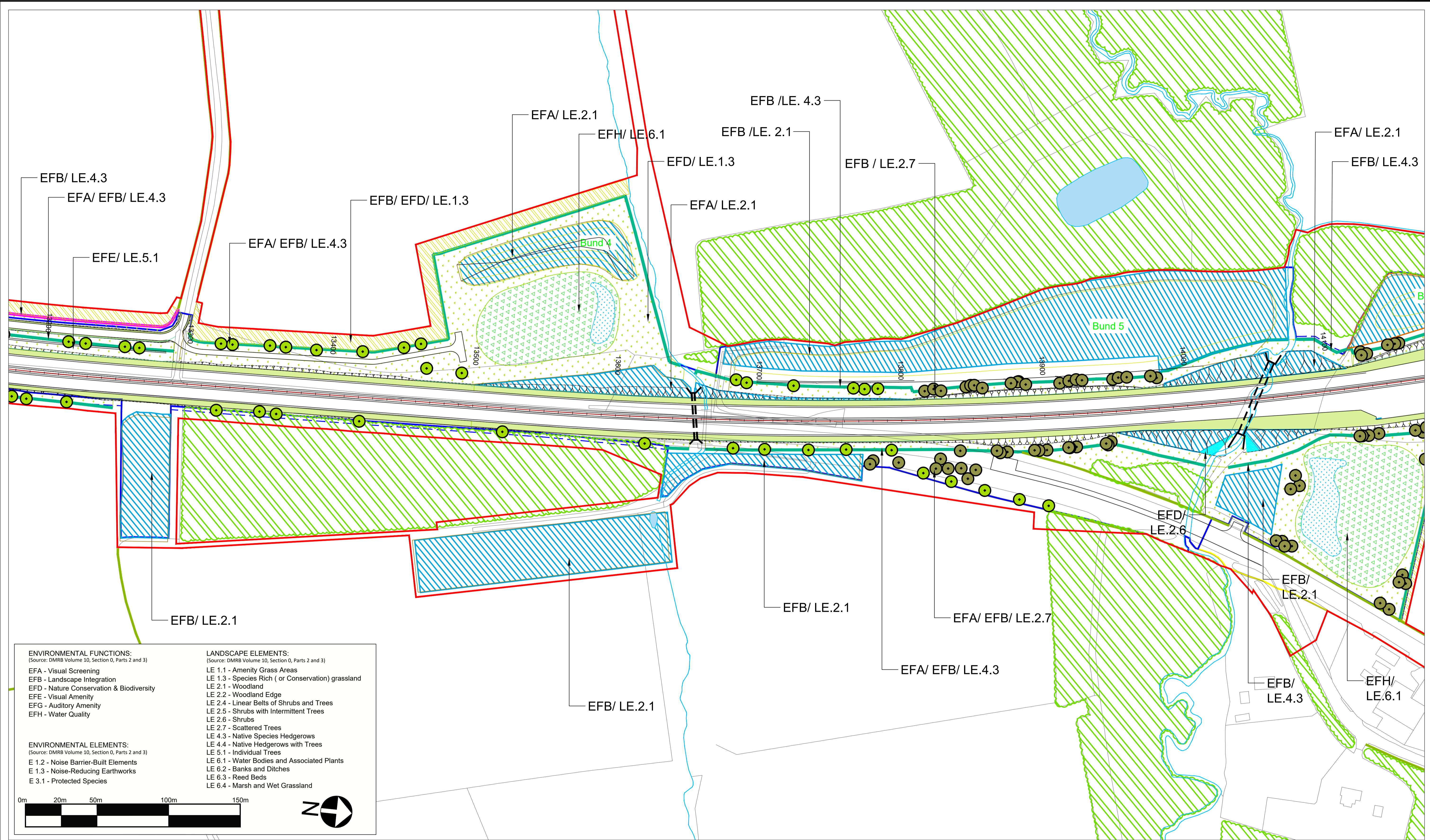
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1	rv date	Rev 1 description				

Suitability		Status		Project Title	
For Information		S1		A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM	
Client		Drawing Title			
highways england		Figure 7.8 - Landscape Mitigation Masterplan SHEET 4 OF 19			
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Drawing Number	Project	Volume	Revision		
HE551459	WSP	6.2	P09		
Section	Type	ID	Direction	Type	Number

DO NOT SCALE
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Millimetres



ENVIRONMENTAL FUNCTIONS:
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ENVIRONMENTAL ELEMENTS:
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0m 20m 50m 100m 150m

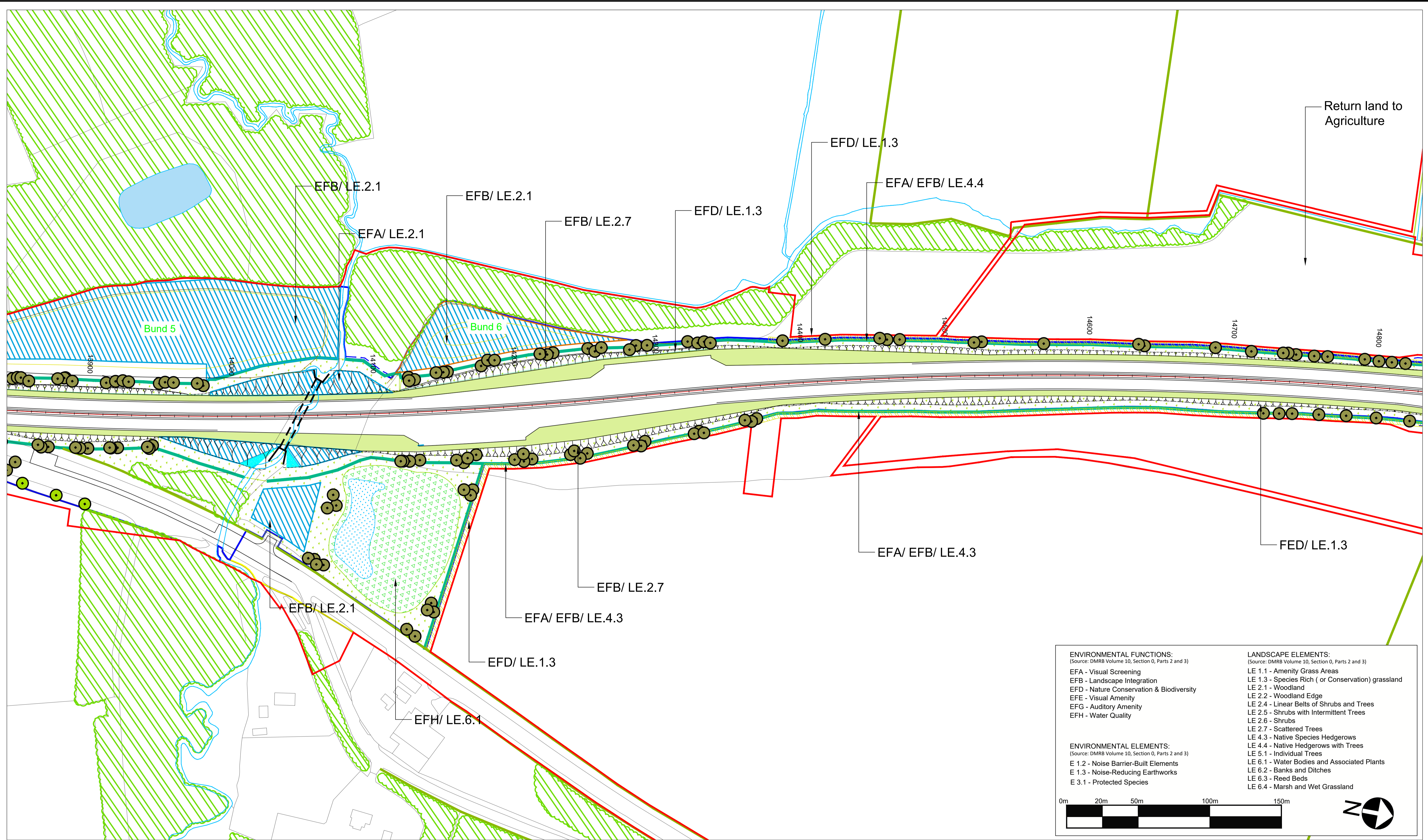
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1	rv date	Rev 1 description				

For Information		Status	Project Title						
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Drawing Number	HE551459	Project	WSP	Volume	6.2	Revision	P09		
Section		Type		Direction		Type	Role	Number	

DO NOT SCALE
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 Millimetres



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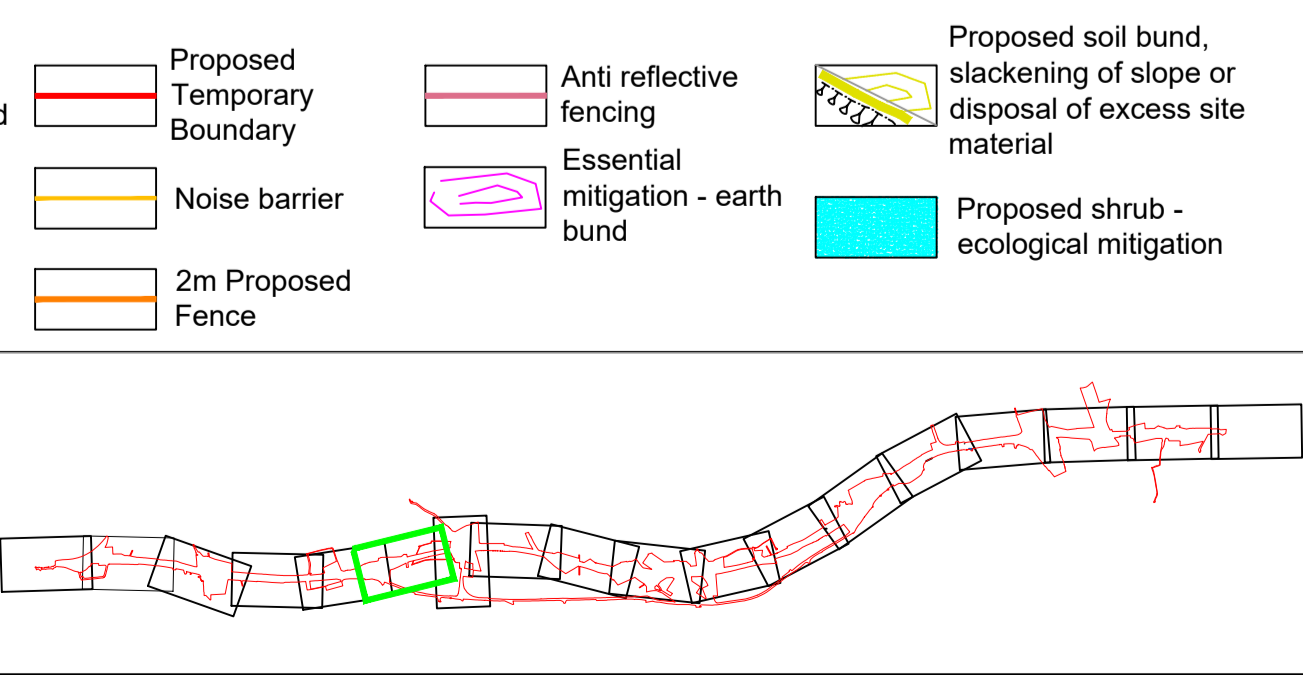
ENVIRONMENTAL ELEMENTS:
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0m 20m 50m 100m 150m

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1	rv date	Rev 1 description				

Suitability: For Information

Status: S1

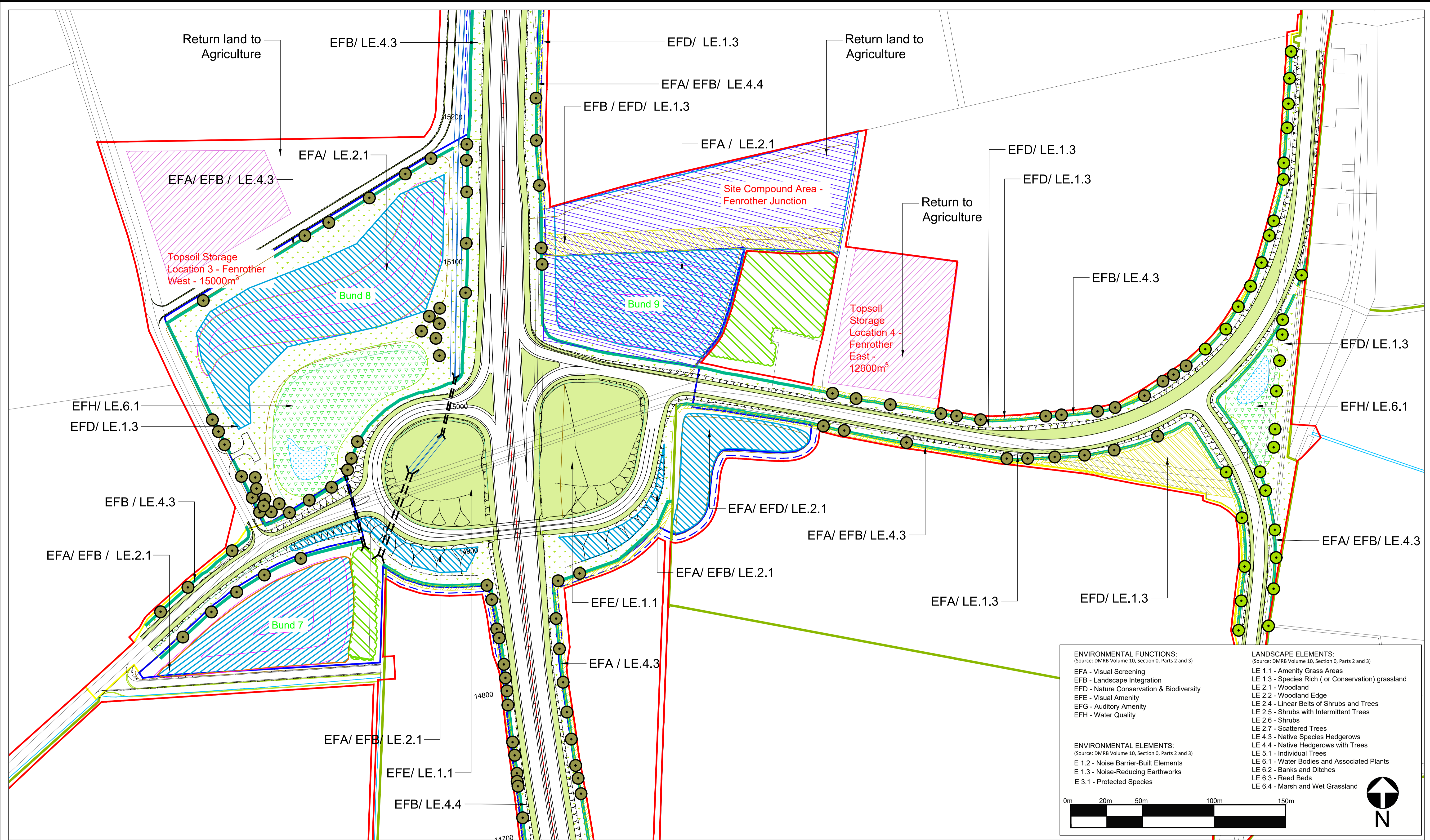
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Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 6 OF 19

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Drawing Number: HE551459	Project: WSP	Volume: 6.2	Revision: P09	
Section:	Type:	ID:	Direction:	Type:

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0m 20m 50m 100m 150m

N

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highways england

For Information

Status: S1

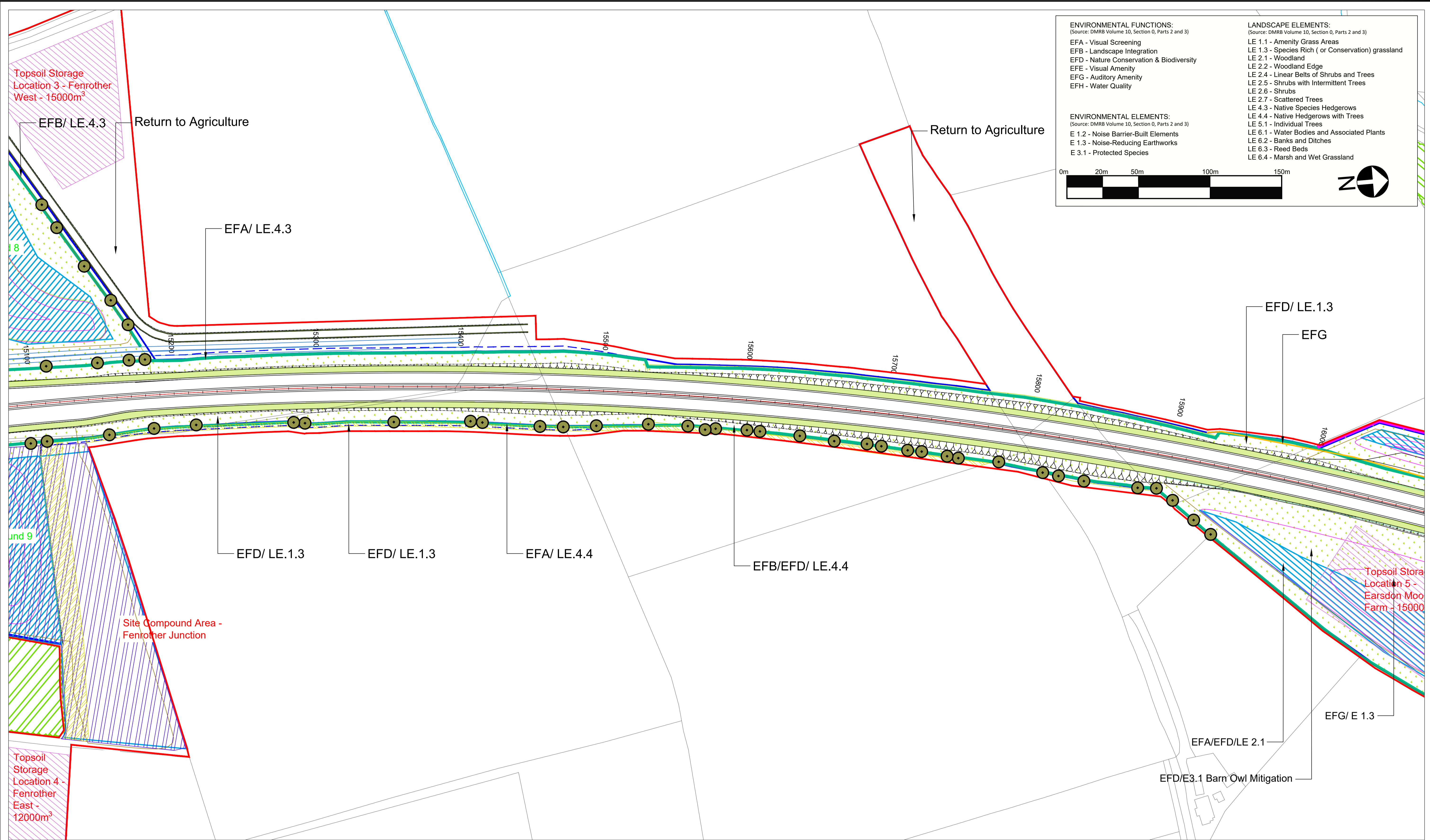
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(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

- 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
- 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

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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 soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained	Proposed hedgerow - by agreement	Proposed conservation grassland	Proposed Permanent Highway Boundary	Noise barrier	Essential mitigation - earth bund	Proposed shrub - ecological mitigation
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					

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

Suitability: For Information

Status: S1

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 8 OF 19

Scale: 1:1250

Drawn: NB	Eng. Check: AW	Approved: AW	Authorised: DM
Date: 02.02.2021	Date: 02.02.2021	Date: 02.02.2021	Date: 02.02.2021

Drawing Number: HE551459

Project: WSP

Volume: 6.2

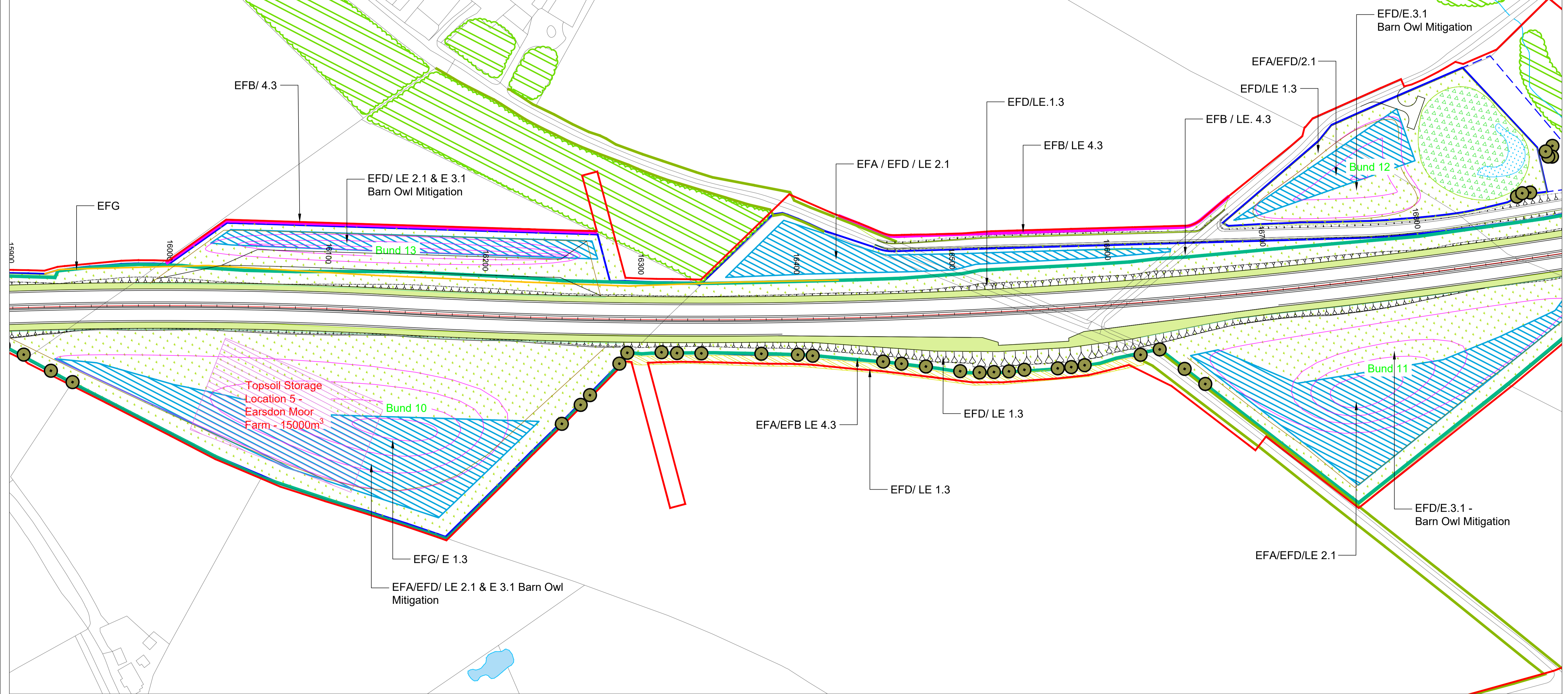
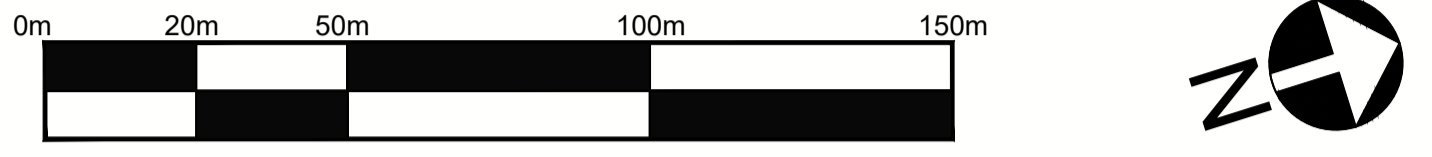
Revision: P09

PW Stage Code

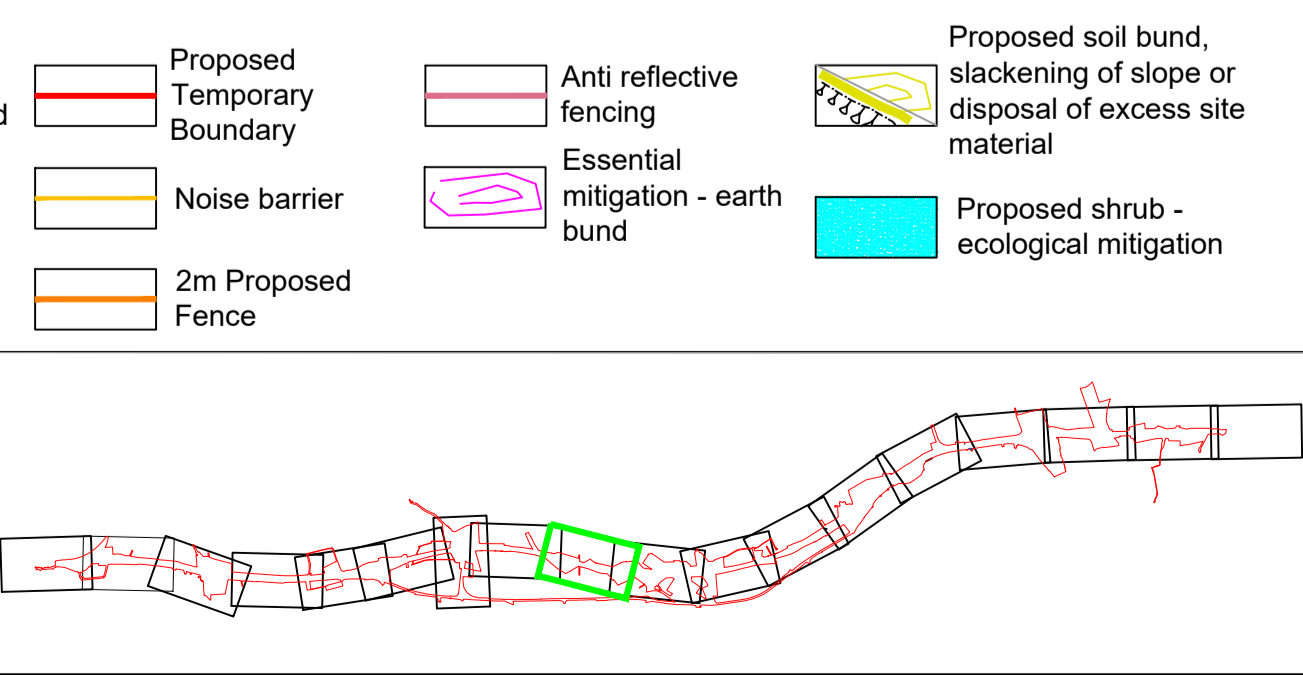
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- ENVIRONMENTAL FUNCTIONS:**
 (Source: DMRB Volume 10, Section 0, Parts 2 and 3)
 EFA - Visual Screening
 EFB - Landscape Integration
 EFD - Nature Conservation & Biodiversity
 EFE - Visual Amenity
 EFG - Auditory Amenity
 EFH - Water Quality
- ENVIRONMENTAL 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
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 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



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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
 - 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 soil bund, slackening of slope or disposal of excess site material
 - Proposed shrub - ecological mitigation



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

Suitability: For Information

Status: S1

Client: highways england

Project Title		A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM			
Drawing Title		Figure 7.8 - Landscape Mitigation Masterplan SHEET 9 OF 19			
Scale	1:1250	Drawn	NB	Eng. Check	AW
Original Size	A1	Date	02.02.2021	Date	02.02.2021
Approved	AW	Date	02.02.2021	Authorised	DM
Drawing Number	HE551459	Project	WSP	Volume	6.2
Revision	P09	PW Stage Code			

DO NOT SCALE

Millimetres

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

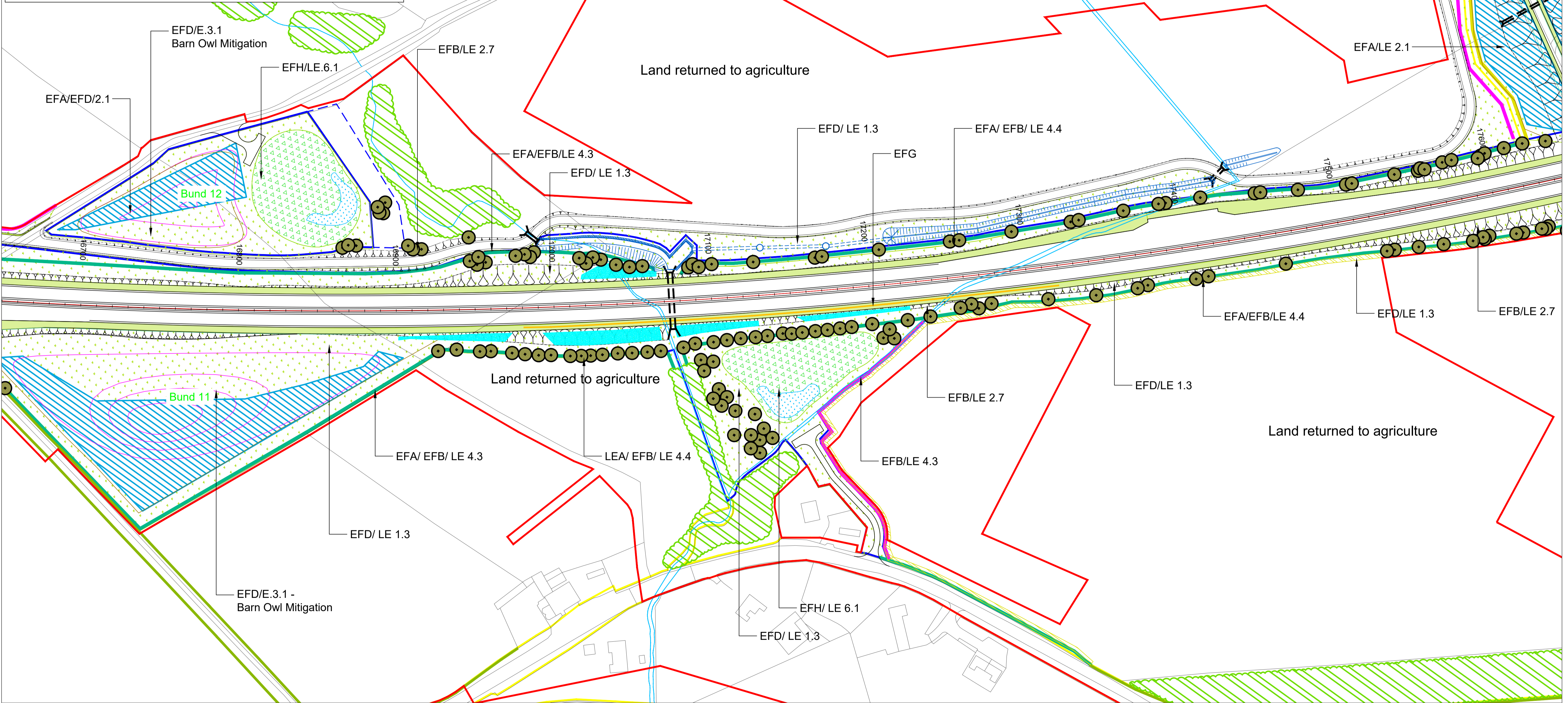
- EFA - Visual Screening
- EFB - Landscape Integration
- EFD - Nature Conservation & Biodiversity
- EFE - Visual Amenity
- EFG - Auditory Amenity
- EFH - Water Quality

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

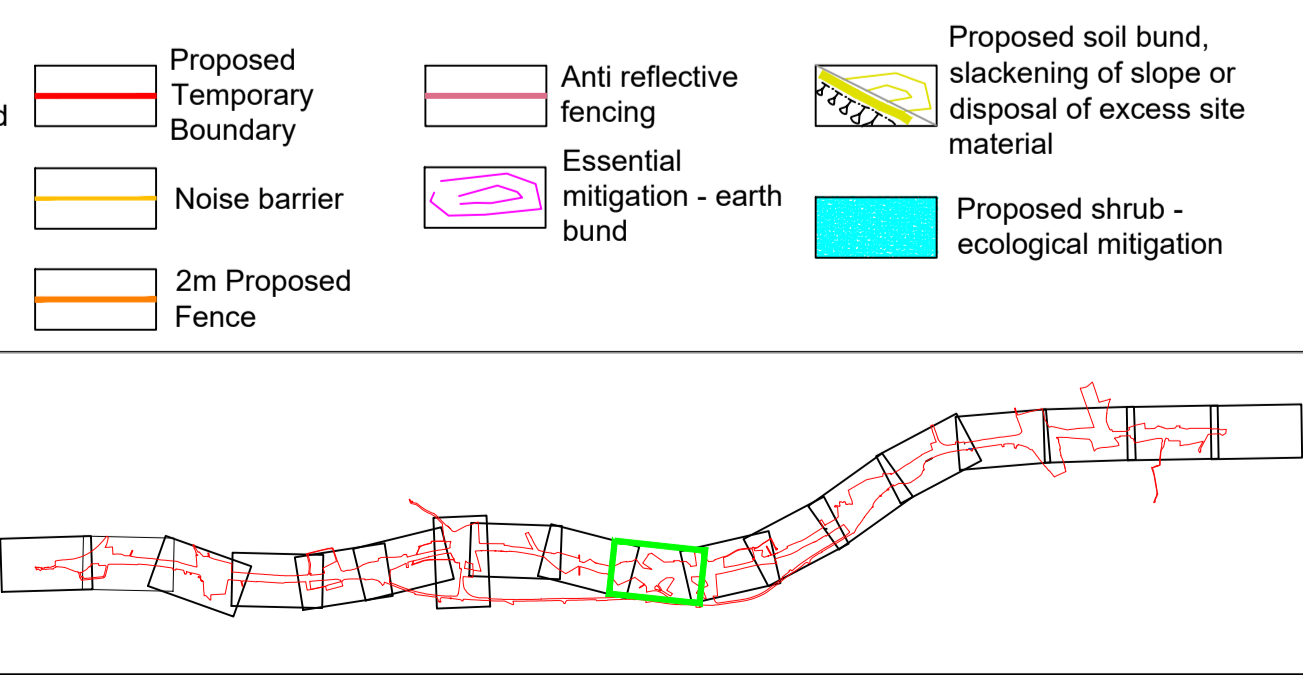
LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

- LE 1.1 - Amenity Grass Areas
- LE 1.3 - Species Rich (or Conservation) grassland
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- LE 6.2 - Banks and Ditches
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- LE 6.4 - Marsh and Wet Grassland



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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 soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained	Proposed hedgerow - by agreement	Proposed conservation grassland	Proposed Permanent Highway Boundary	Noise barrier	Essential mitigation - earth bund	Proposed shrub - ecological mitigation
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					



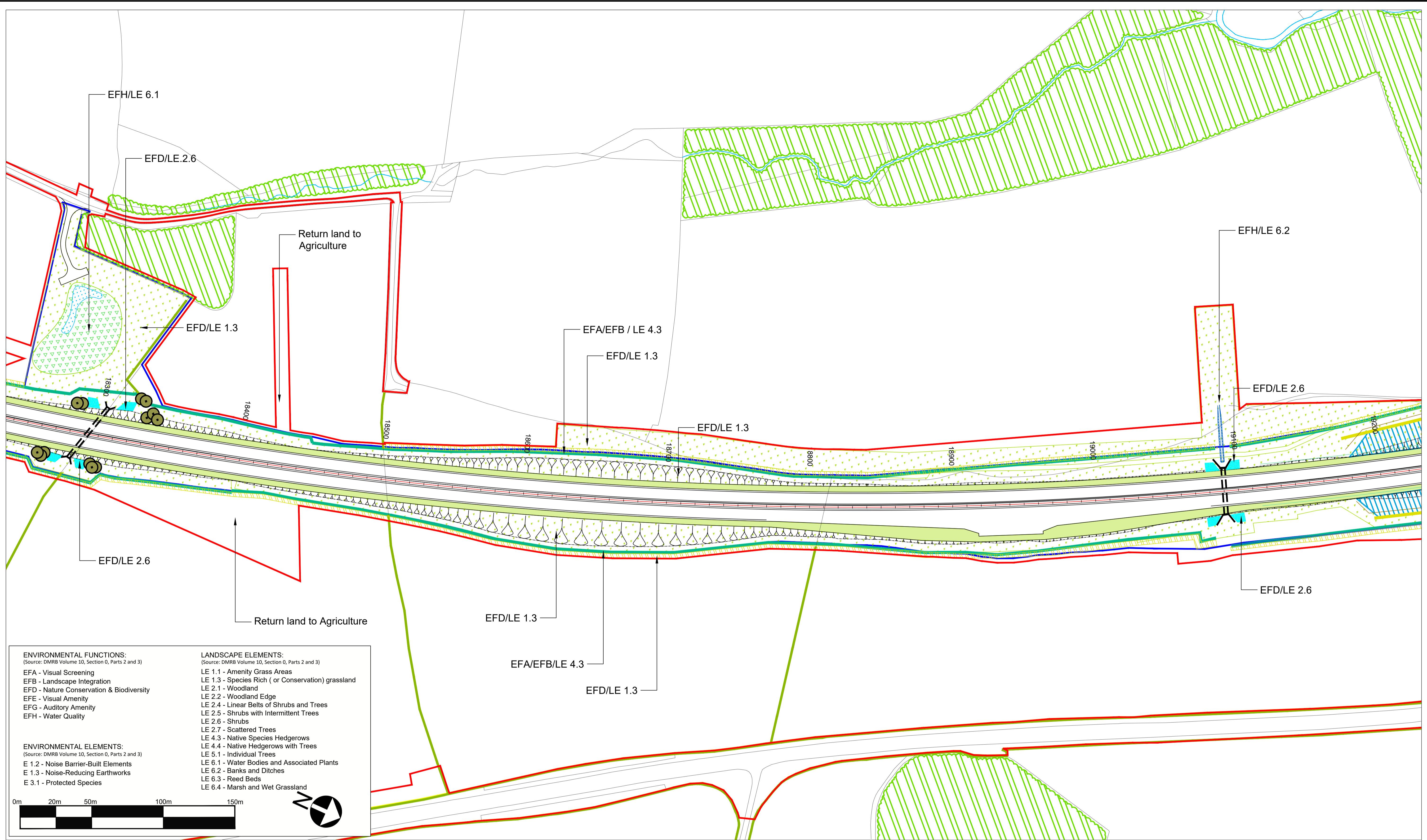
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7	29.08.2019	Update to Key	GH	AW	NM	
6	05.06.2019	Update to landscape hatches	CM	CH	NM	
5	25.03.2019	Update to Key	CL	CH		
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3	19.03.2019	Update to landscape hatches	CL	CH		
2	14.03.2019	Changes to Temporary Boundary	FS	CH		
1	rv date	Rev 1 description				

Suitability: For Information

Status: S1

Project Title		A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM			
Drawing Title		Figure 7.8 - Landscape Mitigation Masterplan SHEET 10 OF 19			
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Drawing Number	HE551459	Project	WSP	Volume	6.2
Revision	P09	PW Stage Code			

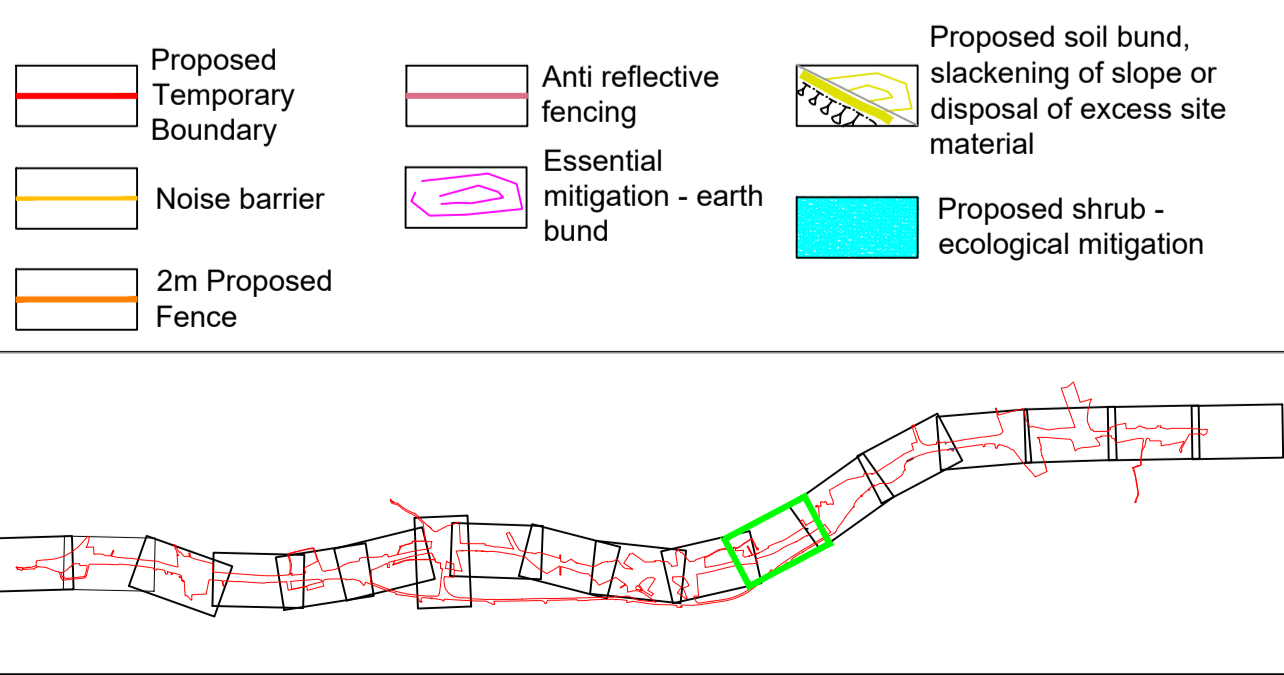
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- ENVIRONMENTAL FUNCTIONS:**
 (Source: DMRB Volume 10, Section 0, Parts 2 and 3)
- EFA - Visual Screening
 - EFB - Landscape Integration
 - EFD - Nature Conservation & Biodiversity
 - EFE - Visual Amenity
 - EFG - Auditory Amenity
 - EFH - Water Quality
- 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
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- LANDSCAPE ELEMENTS:**
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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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- 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
 - Proposed amenity grassland
 - Proposed conservation grassland
 - Grass verge / central reservations
 - Arable field margins
 - Swale/Marginal planting / wetland
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 - Vehicle Restraint System
 - Proposed Great Crested Newt Pond
 - Proposed Temporary Boundary
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2	14.03.2019	Changes to Temporary Boundary	FS	CH		
1	rv date	Rev 1 description				

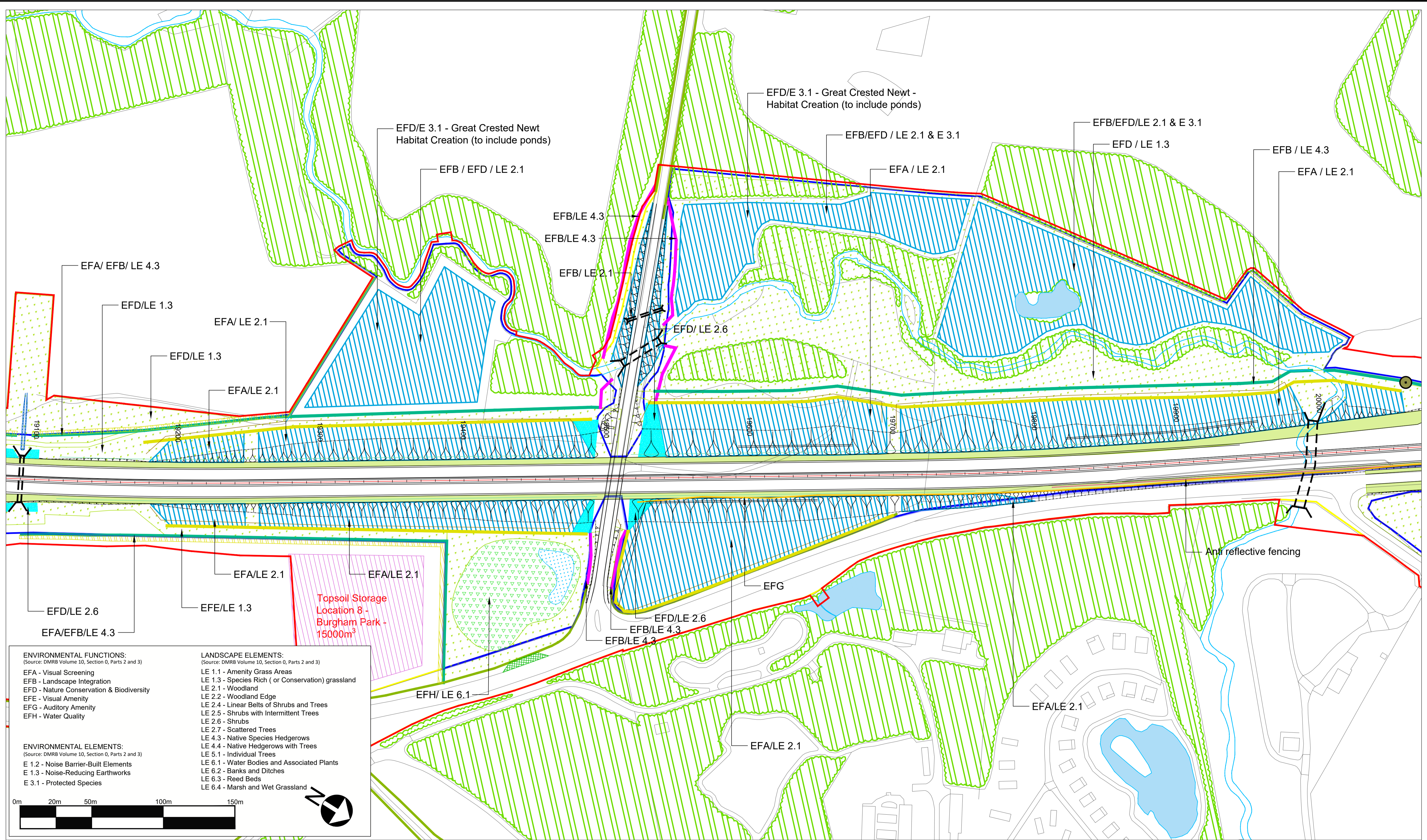
Suitability: For Information

Status: S1

Client: highways england

Project Title		A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM			
Drawing Title		Figure 7.8 - Landscape Mitigation Masterplan SHEET 12 OF 19			
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Authorised	DM	Date	02.02.2021	Authorised	DM
Drawing Number	HE551459	Project	WSP	Volume	6.2
Revision	P09	Project	M2F	Volume	6.2
Section		Type		ID	
Direction		Type		Role	Number

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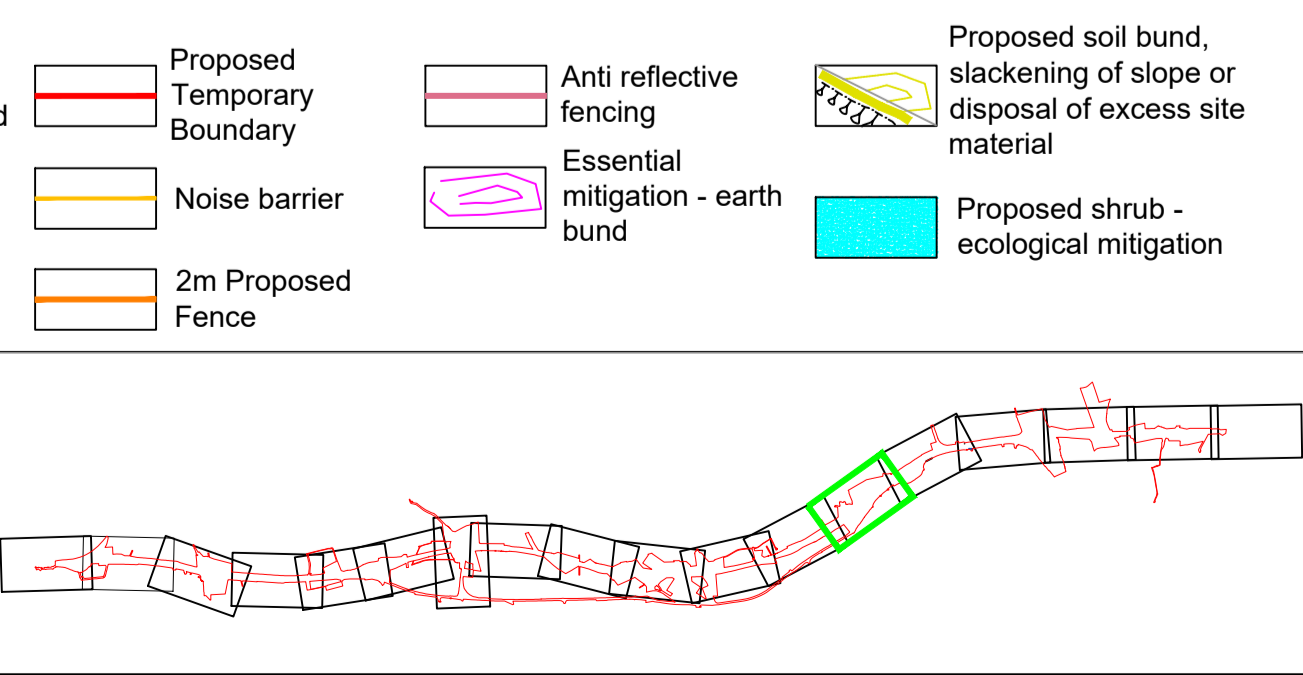
ENVIRONMENTAL FUNCTIONS:
 (Source: DMRB Volume 10, Section 0, Parts 2 and 3)
 EFA - Visual Screening
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ENVIRONMENTAL ELEMENTS:
 (Source: DMRB Volume 10, Section 0, Parts 2 and 3)
 E 1.2 - Noise Barrier-Built Elements
 E 1.3 - Noise-Reducing Earthworks
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LANDSCAPE ELEMENTS:
 (Source: DMRB Volume 10, Section 0, Parts 2 and 3)
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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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Existing habitats to be retained	Proposed hedgerow - essential mitigation	Proposed amenity grassland	Swale/Marginal planting / wetland	Proposed Temporary Boundary	Anti reflective fencing	Proposed soil bund, slackening of slope or disposal of excess site material
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Woodland Creation Area	Proposed individual trees	Arable field margins	Proposed Great Crested Newt Pond			
Existing running water	Existing waterbodies					



Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd
9	11.03.2021	Amendments to mitigation strategy	NB	AW	AW	
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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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2	14.03.2019	Changes to Temporary Boundary	FS	CH		
1	rv date	Rev 1 description	By	Eng' Chk	Disc' Chk	App'd

highways england

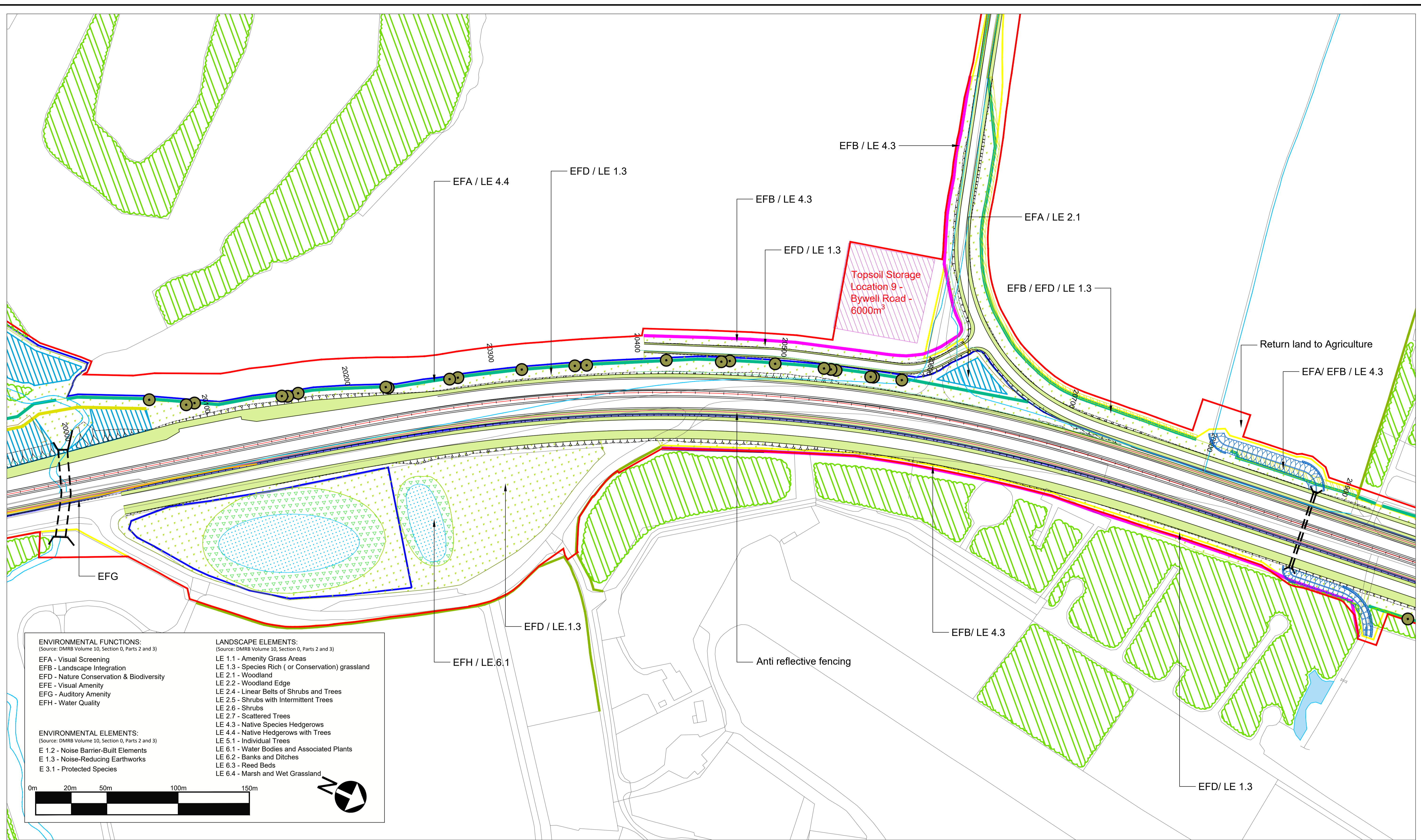
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Client

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
Original Size	A1	Date	02.02.2021	Date	02.02.2021
Approved	AW	Date	02.02.2021	Authorised	DM
Volume	6.2	Revision	P09	PW Stage Code	

DO NOT SCALE

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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

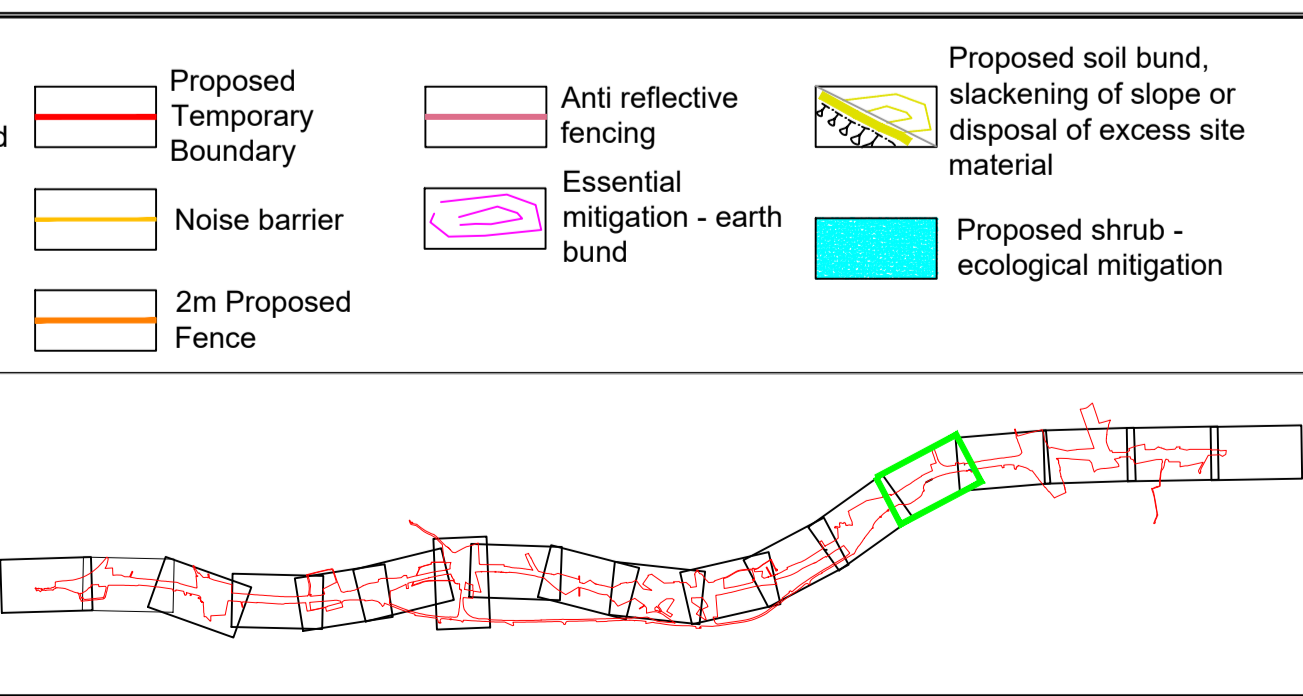
LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

- LE 1.1 - Amenity Grass Areas
- LE 1.3 - Species Rich (or Conservation) grassland
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0m 20m 50m 100m 150m

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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 soil bund, slackening of slope or disposal of excess site material
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Woodland Creation Area	Proposed individual trees	Arable field margins	Proposed Great Crested Newt Pond			
Existing running water	Existing waterbodies					



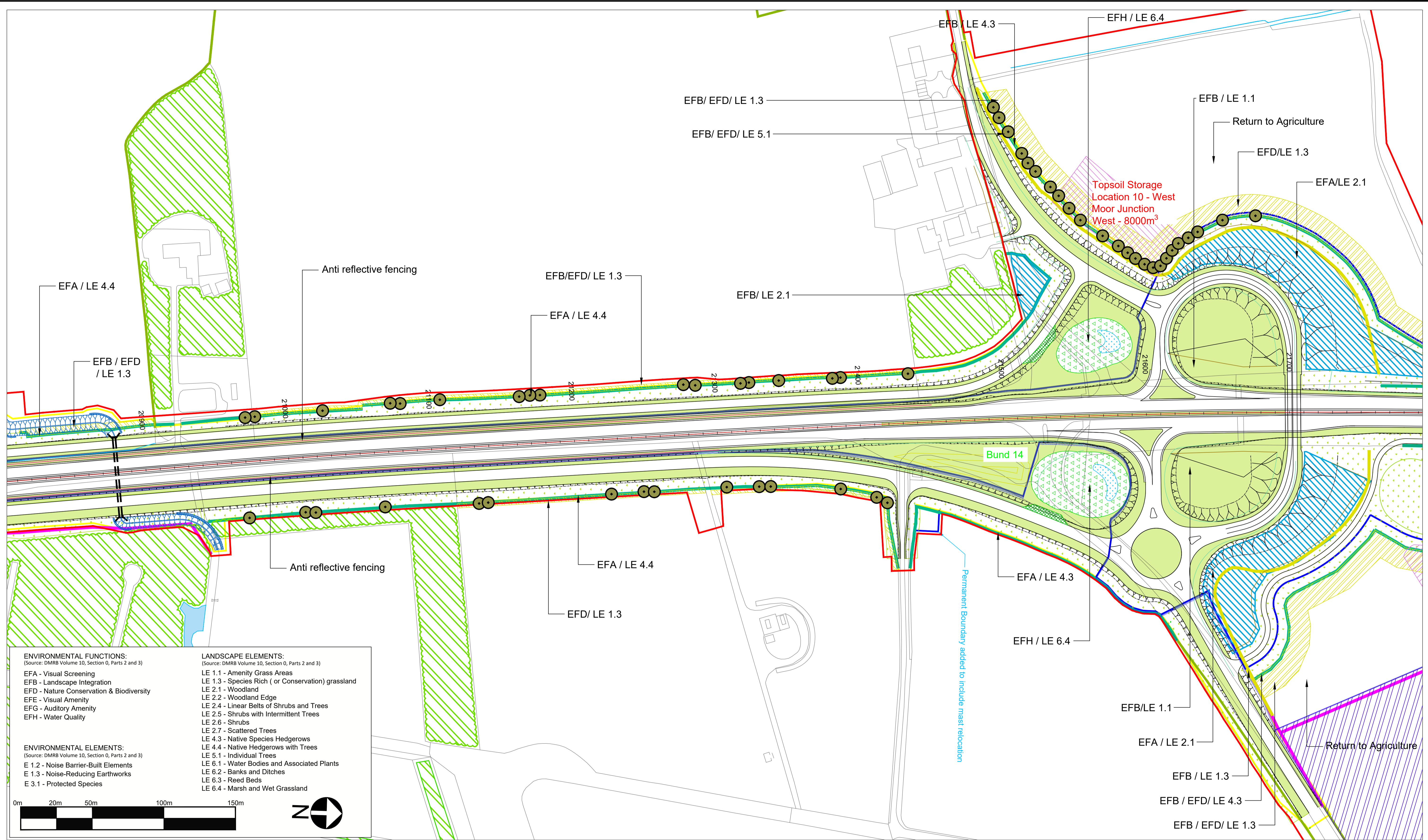
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3	19.03.2019	Update to landscape hatches	CL	CH		
2	14.03.2019	Changes in Temporary Boundary	FS	CH		
1	rv date	Rev 1 description				

highways england

For Information		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
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Authorised	DM						
Drawing Number	HE551459	Project	WSP	Volume	6.2	Revision	P09
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ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

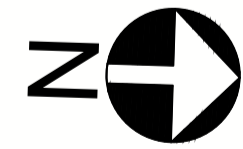
- EFA - Visual Screening
- EFB - Landscape Integration
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ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

- E 1.2 - Noise Barrier-Built Elements
- E 1.3 - Noise-Reducing Earthworks
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LANDSCAPE ELEMENTS:
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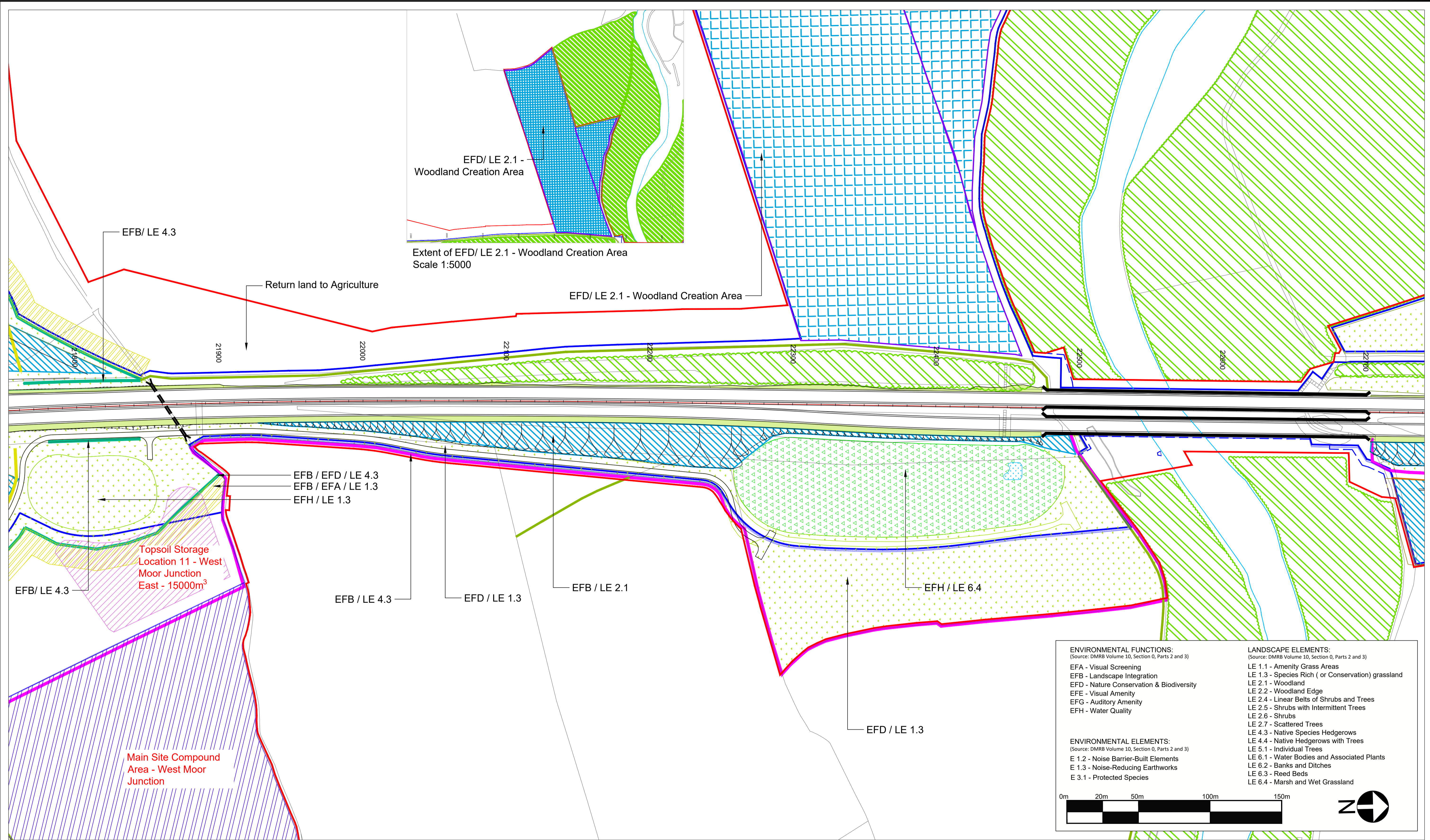
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4	21.03.2019	Update to highways layout	CL	CH		
3	19.03.2019	Update to landscape hatches	CL	CH		
2	14.03.2019	Changes to Temporary Boundary	FS	CH		
1	rv date	Rev 1 description				

highways england

For Information	S1	Project Title A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM			
		Drawing Title Figure 7.8 - Landscape Mitigation Masterplan SHEET 15 OF 19			
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Drawing Number HE551459	Project WSP	Volume 6.2	Revision P09		
Section	Type	ID	Direction	Type	Role

DO NOT SCALE

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

- EFA - Visual Screening
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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

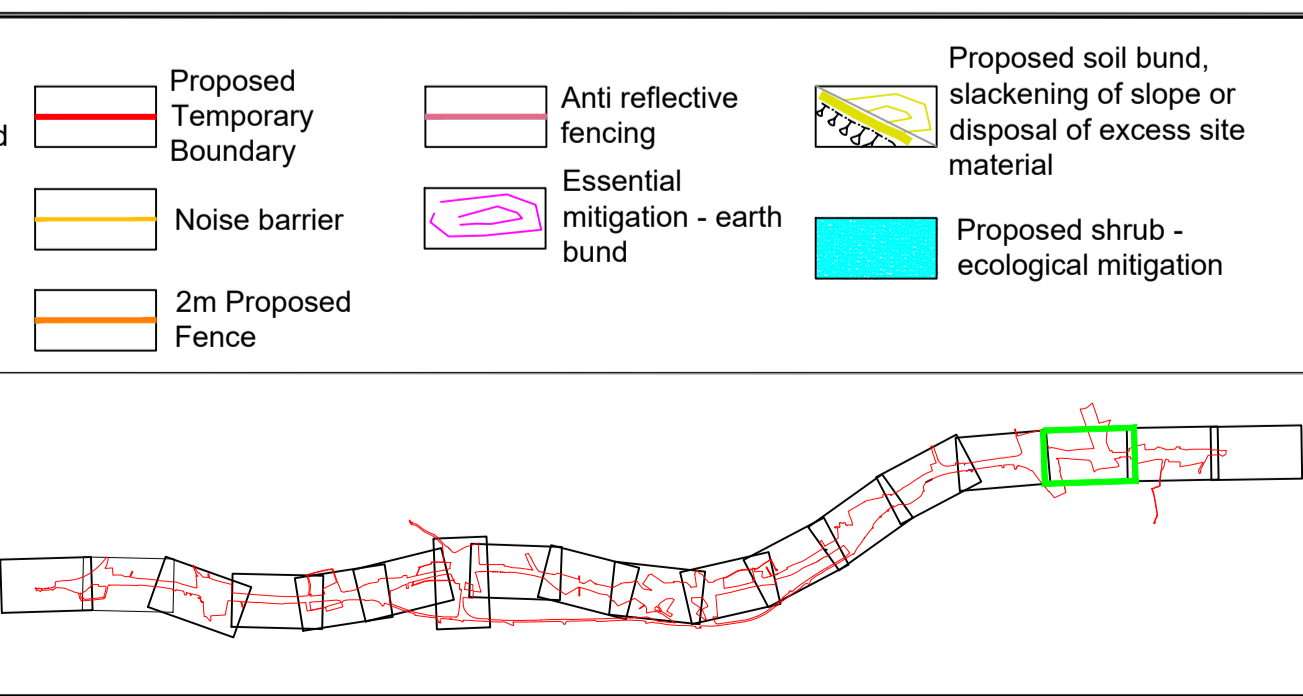
LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

- LE 1.1 - Amenity Grass Areas
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- 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

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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 soil bund, slackening of slope or disposal of excess site material
Existing hedgerow to be retained	Proposed hedgerow - by agreement	Proposed conservation grassland	Proposed Permanent Highway Boundary	Noise barrier	Essential mitigation - earth bund	Proposed shrub - ecological mitigation
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					



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

Suitability: For Information

Client:

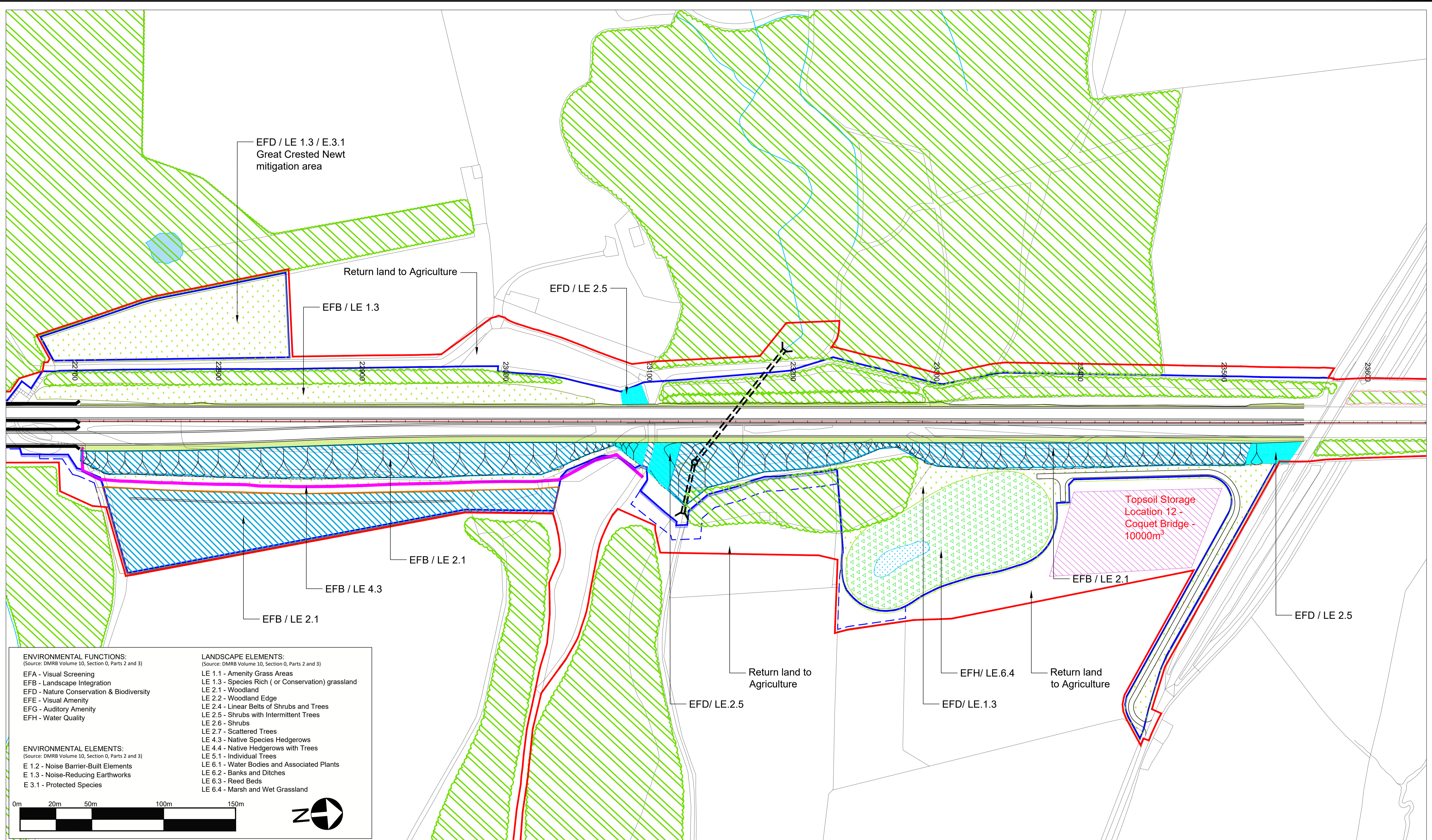
Status: S1

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

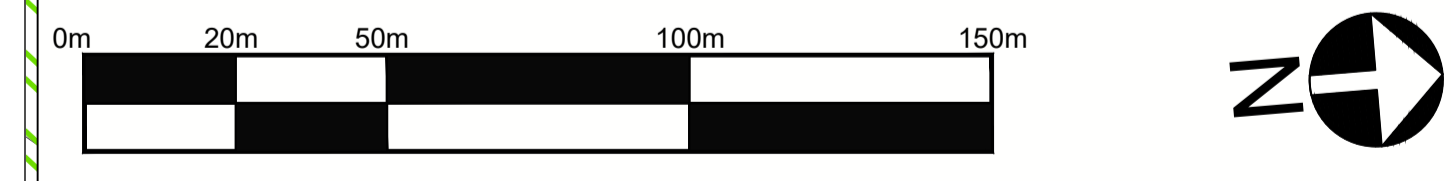
Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 16 OF 19

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: P09	
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
 - LE 2.6 - Shrubs
 - LE 2.7 - Scattered Trees
 - LE 4.3 - Native Species Hedgerows
 - LE 4.4 - Native Hedgerows with Trees
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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
 - Proposed amenity grassland
 - Proposed conservation grassland
 - Grass verge / central reservations
 - Arable field margins
 - 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 soil bund, slackening of slope or disposal of excess site material
 - Proposed shrub - ecological mitigation

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

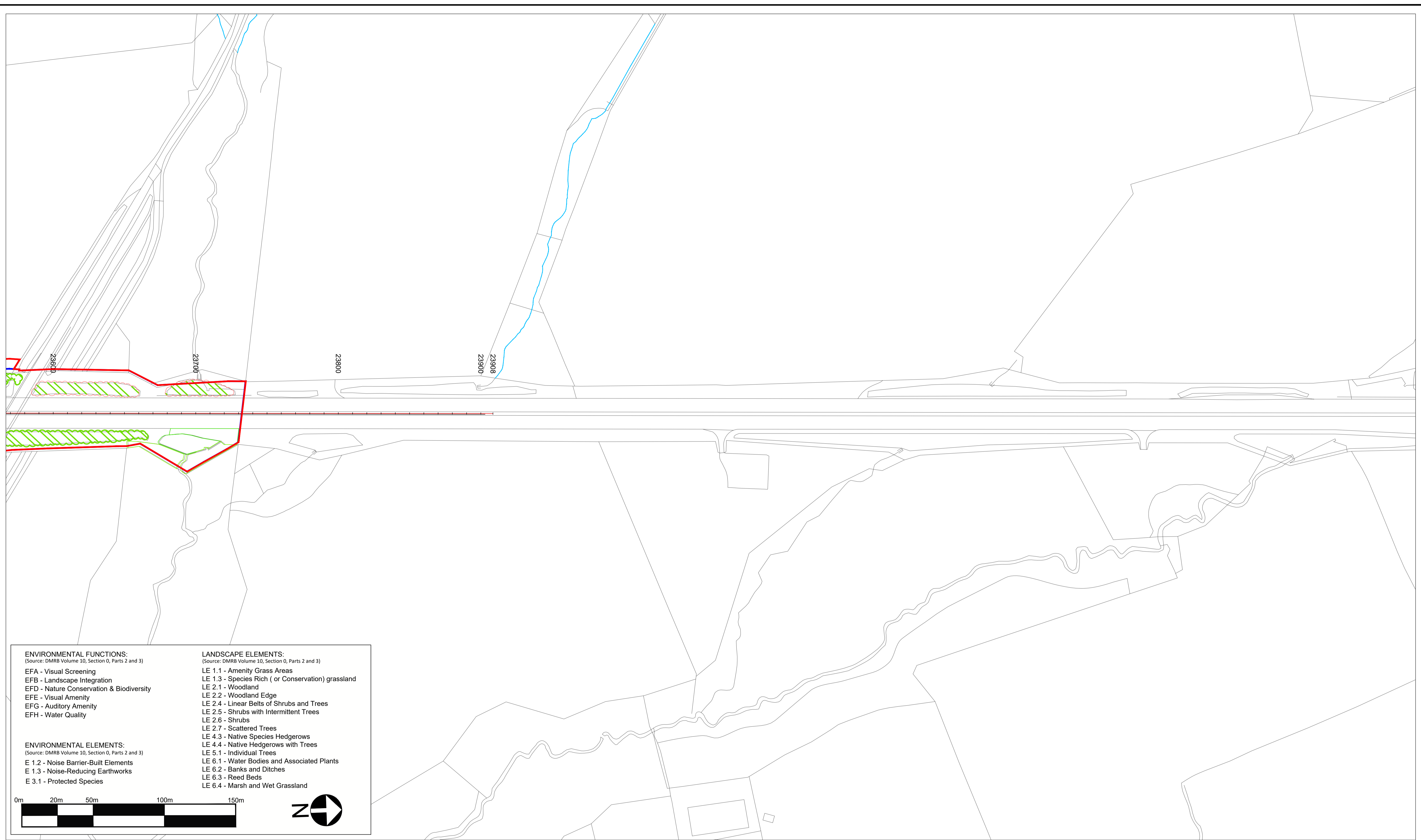
highways england

For Information	S1	A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM			
Client		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
Approved	AW	Date	02.02.2021	Authorised	DM
Project	HE551459	Volume	6.2	Revision	P09
Section		Type		Role	

DO NOT SCALE

100
Millimetres

0 10



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:

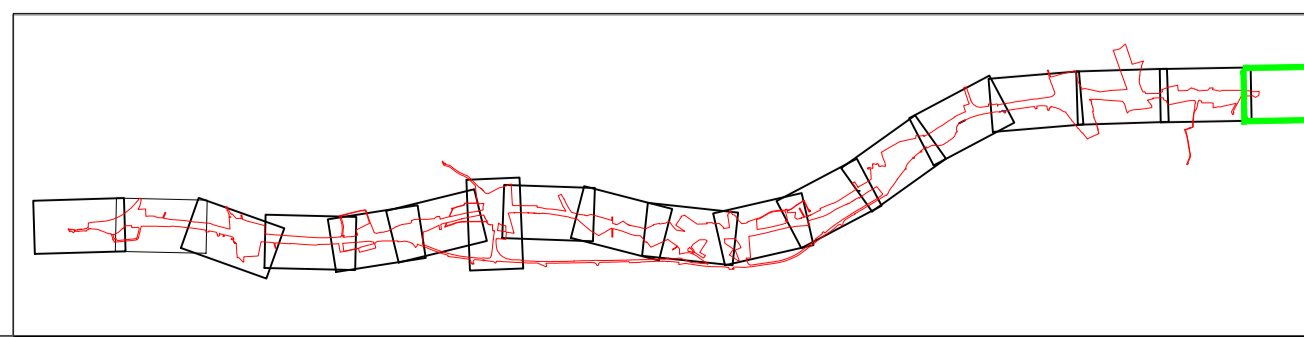
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

- 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	Proposed Temporary Boundary	Anti reflective fencing	Proposed soil bund, slackening of slope or disposal of excess site material
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2	14.03.2019	Changes to Temporary Boundary	FS	CH		
1	rv date	Rev 1 description				

Suitability: For Information

Status: S1

Client:

Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM					
Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 18 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: P09	PW Stage Code	
Section:	Type:	ID:	Direction:	Type:	Role: Number

DO NOT SCALE

Millimetres

0 10

100

Indicative Grassland Seed Mixes	
Botanical Name	Common Name
<i>Landscape Element</i>	Description
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%

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2	14.03.2019	Changes to Temporary Boundary	FS	CH		
1	rv date	Rev 1 description				

Suitability: For Information

Status: S1



Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 19 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: ES	Revision: P09	
Section: M2F	Type: M2F	ID: M2F	Direction: ES	Role: ES

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or call **0300 470 4580***.