

# A66 Northern Trans-Pennine Project

TR010062

## 2.8 Environmental Mitigation Maps

(Rev 2)

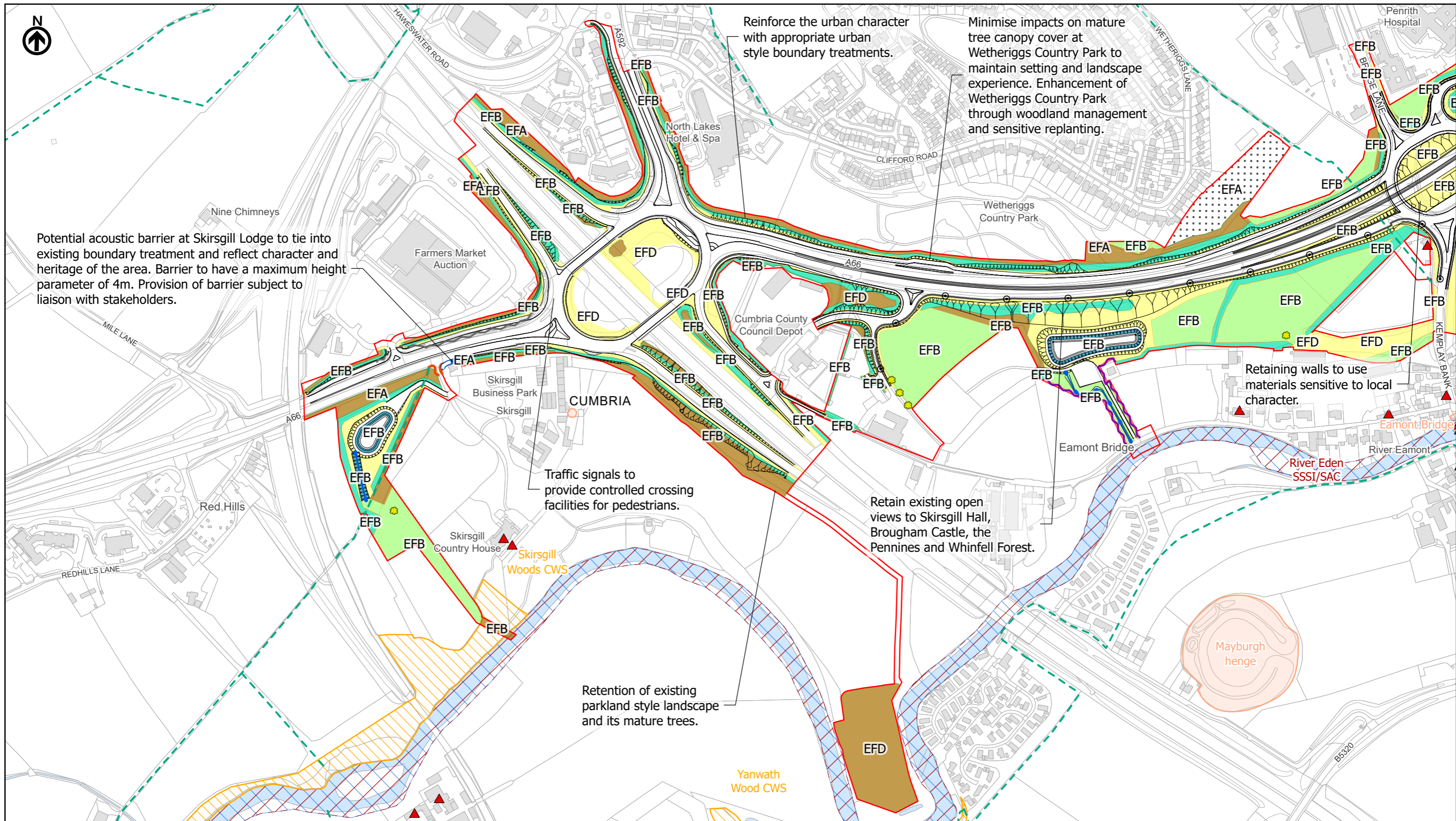
APFP Regulations 5(2)(a)

Planning Act 2008

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

Deadline 7

09 May 2023



Potential acoustic barrier at Skirgill Lodge to tie into existing boundary treatment and reflect character and heritage of the area. Barrier to have a maximum height parameter of 4m. Provision of barrier subject to liaison with stakeholders.

Reinforce the urban character with appropriate urban style boundary treatments.

Minimise impacts on mature tree canopy cover at Wetheriggs Country Park to maintain setting and landscape experience. Enhancement of Wetheriggs Country Park through woodland management and sensitive replanting.

Retaining walls to use materials sensitive to local character.

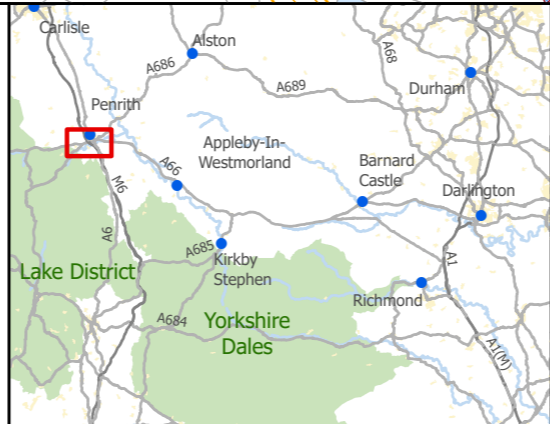
Traffic signals to provide controlled crossing facilities for pedestrians.

Retain existing open views to Skirgill Hall, Brougham Castle, the Pennines and Whinfell Forest.

Retention of existing parkland style landscape and its mature trees.

Environmental Function Code -  
 EFA Visual screening 7  
 EFB Landscape integration 8  
 EFD Nature conservation and biodiversity 9  
 EFE Visual amenity 10

Notes:  
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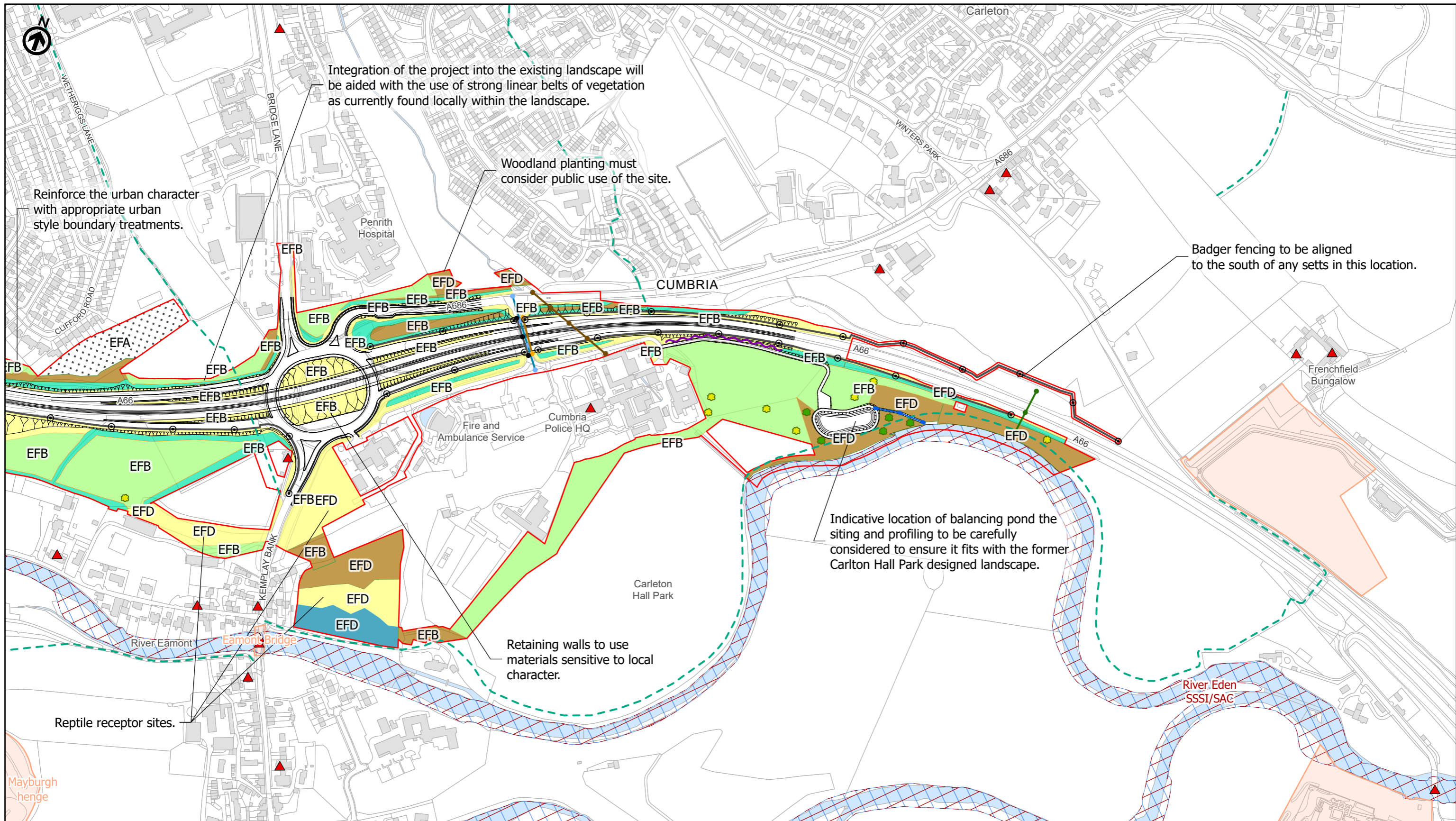


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P02	First Issue	LPAG	LHAN	AWAR	AMIT	KWHA
		07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.1 Environmental Mitigation</b>			
Scheme: 0102, M6 Junction 40 to Kemplay Bank			
Sheet 1 of 2			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200001
Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision P02

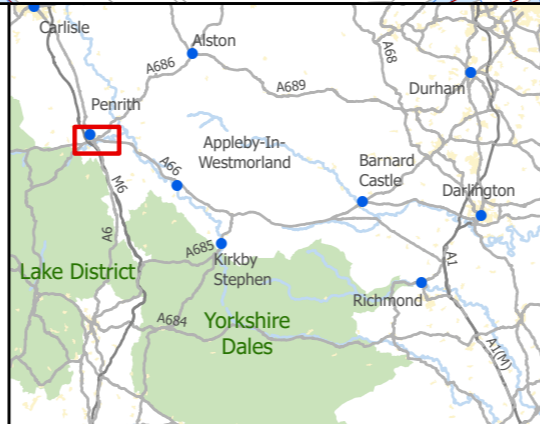


Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

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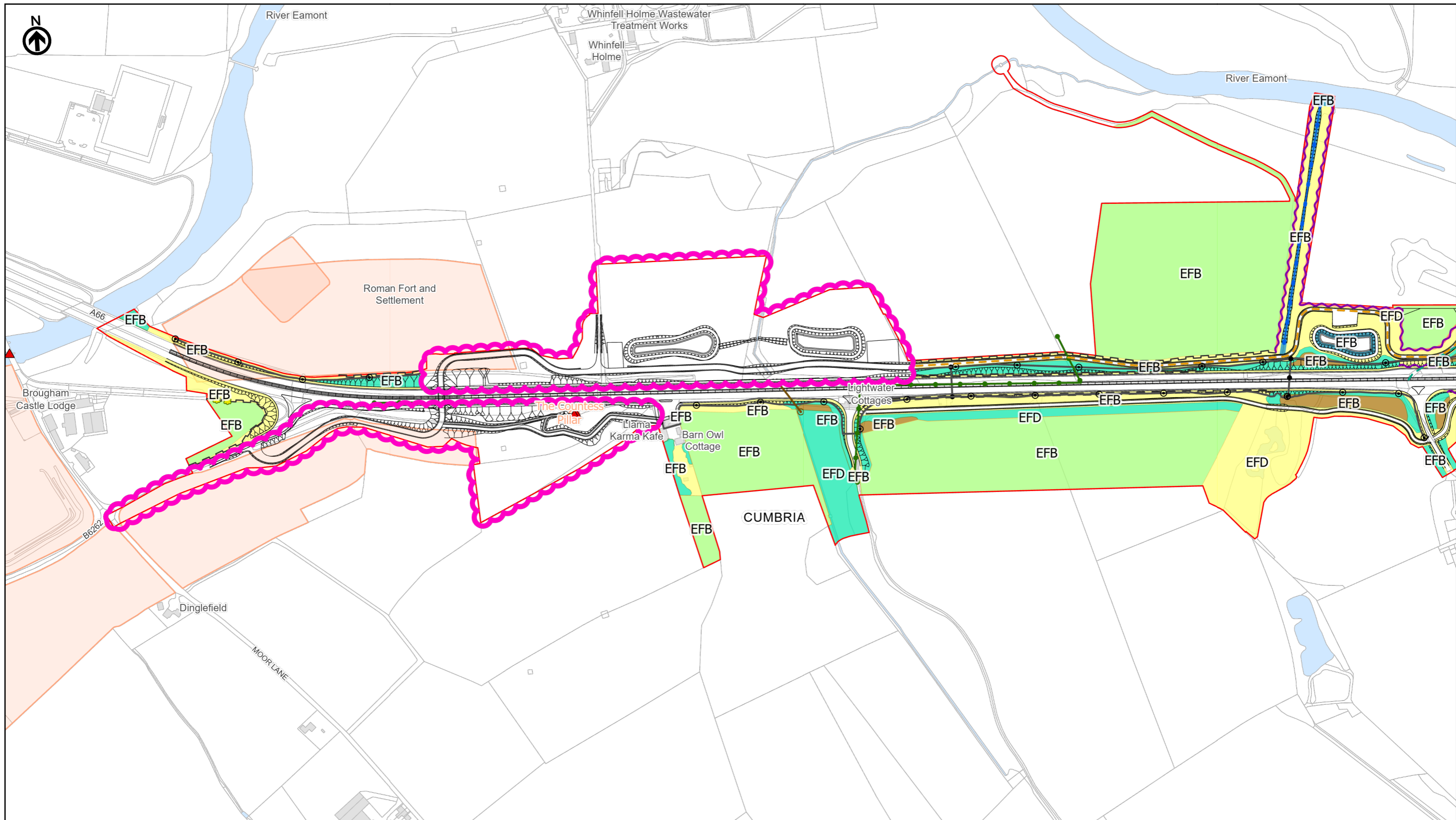
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	LPAG	LHAN	AWAR	AMIT	KWHA
	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Metres

0 100 200 300 400

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.1</b>			
Environmental Mitigation			
Scheme: 0102, M6 Junction 40 to Kemplay Bank			
Sheet 2 of 2			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP	LX
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



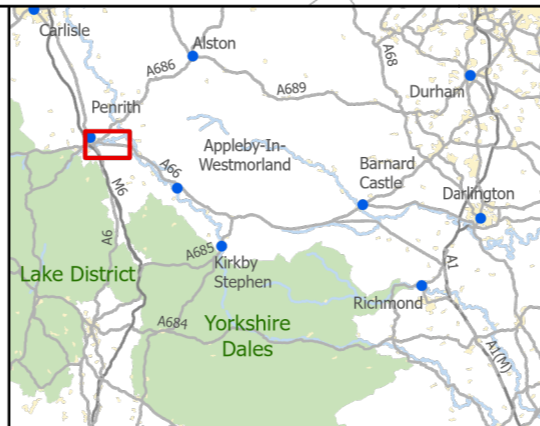
Environmental Function Code

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As a result of the procedural decision of the Examining Authority dated 18 April 2023 (PD-014), 22 design changes were accepted into the Examination which alter the original designs submitted for the DCO application. The pink 'bubble' denotes where within the Order limits, as a result of those design changes, the original illustrative environmental mitigation design (as submitted as part of the DCO application in June 2022) is no longer valid. An illustrative environmental mitigation design is not yet available for these areas, although they are required by the Project to provide environmental mitigation and for other purposes. As with all of the land within the Order limits, the detailed environmental mitigation design will be confirmed during the detailed design process in full compliance with the obligations contained in the EMP and PDP.



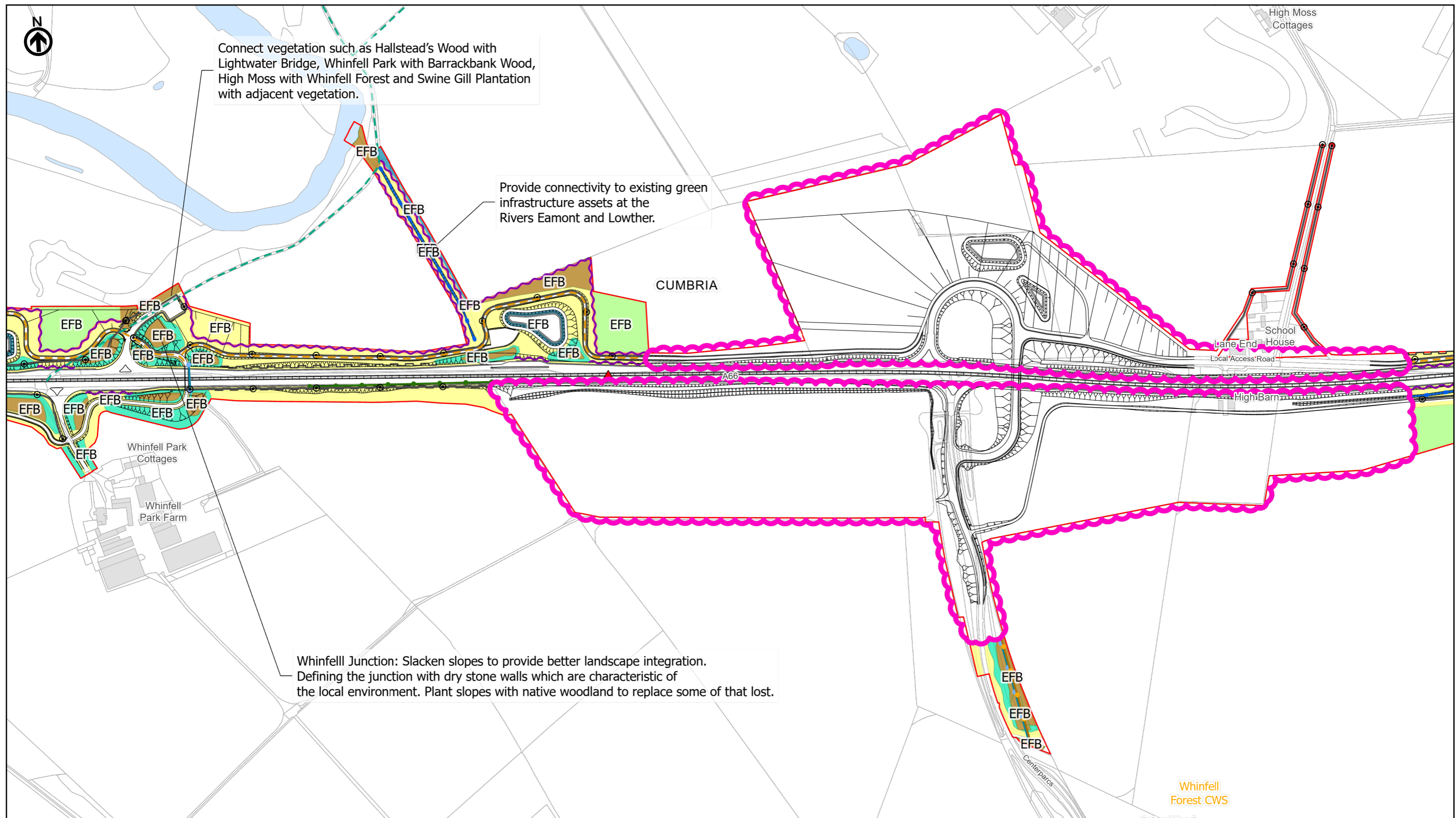
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P03	Second Issue: Revised Order Limits and Mitigation				
	LPAG	PKEL	AWAR	AMIT	KWHA
Revision	Created	Checked	Reviewed	Approved	Authorised
	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.2 Environmental Mitigation Scheme: 03, Penrith to Temple Sowerby Sheet 1 of 3</b>			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200003
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P03



Connect vegetation such as Hallstead's Wood with Lightwater Bridge, Whinfell Park with Barrackbank Wood, High Moss with Whinfell Forest and Swine Gill Plantation with adjacent vegetation.

Provide connectivity to existing green infrastructure assets at the Rivers Eamont and Lowther.

Whinfell Junction: Slacken slopes to provide better landscape integration. Defining the junction with dry stone walls which are characteristic of the local environment. Plant slopes with native woodland to replace some of that lost.

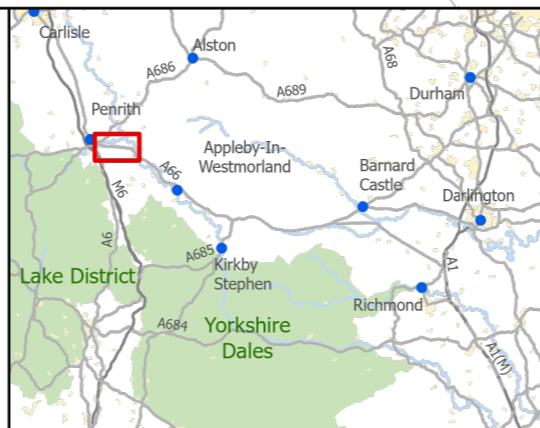
Environmental Function Code

EFA Visual screening	7
EFB Landscape integration	8
EFD Nature conservation and biodiversity	9
EFE Visual amenity	10

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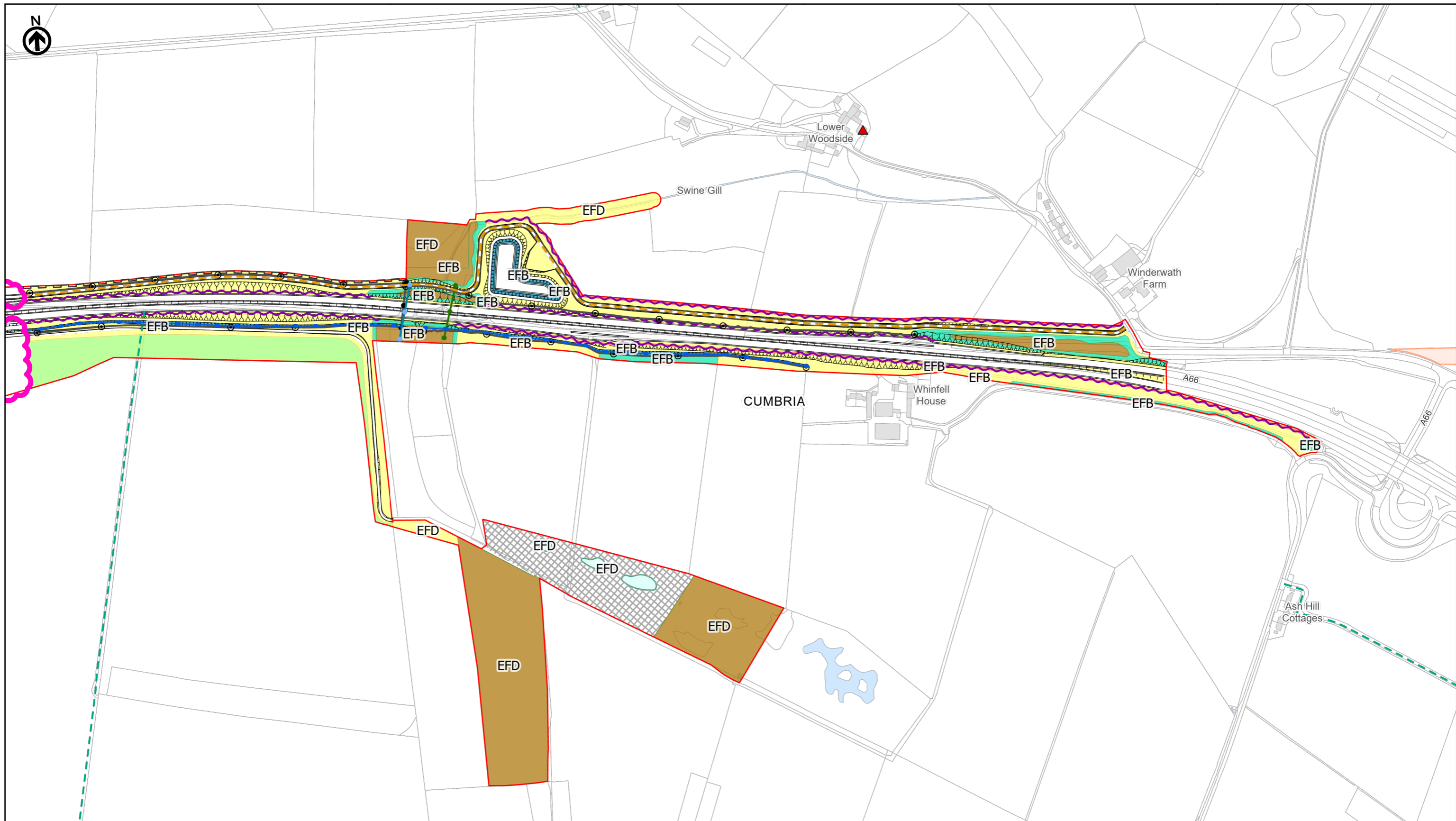


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Revision	Created	Checked	Reviewed	Approved	Authorised
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.2 Environmental Mitigation Scheme: 03, Penrith to Temple Sowerby Sheet 2 of 3</b>			
Map Number HE565627	Project S00	Originator - AMY -	Volume - EGN -
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P03



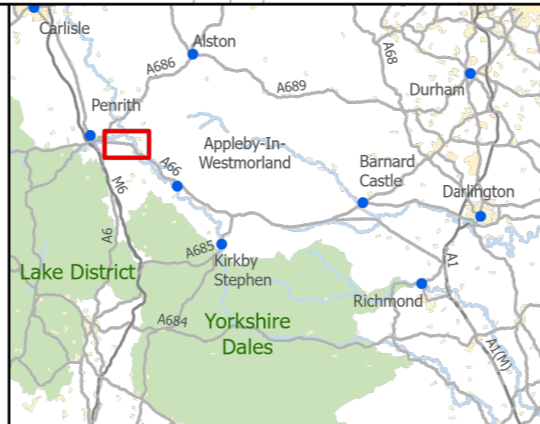
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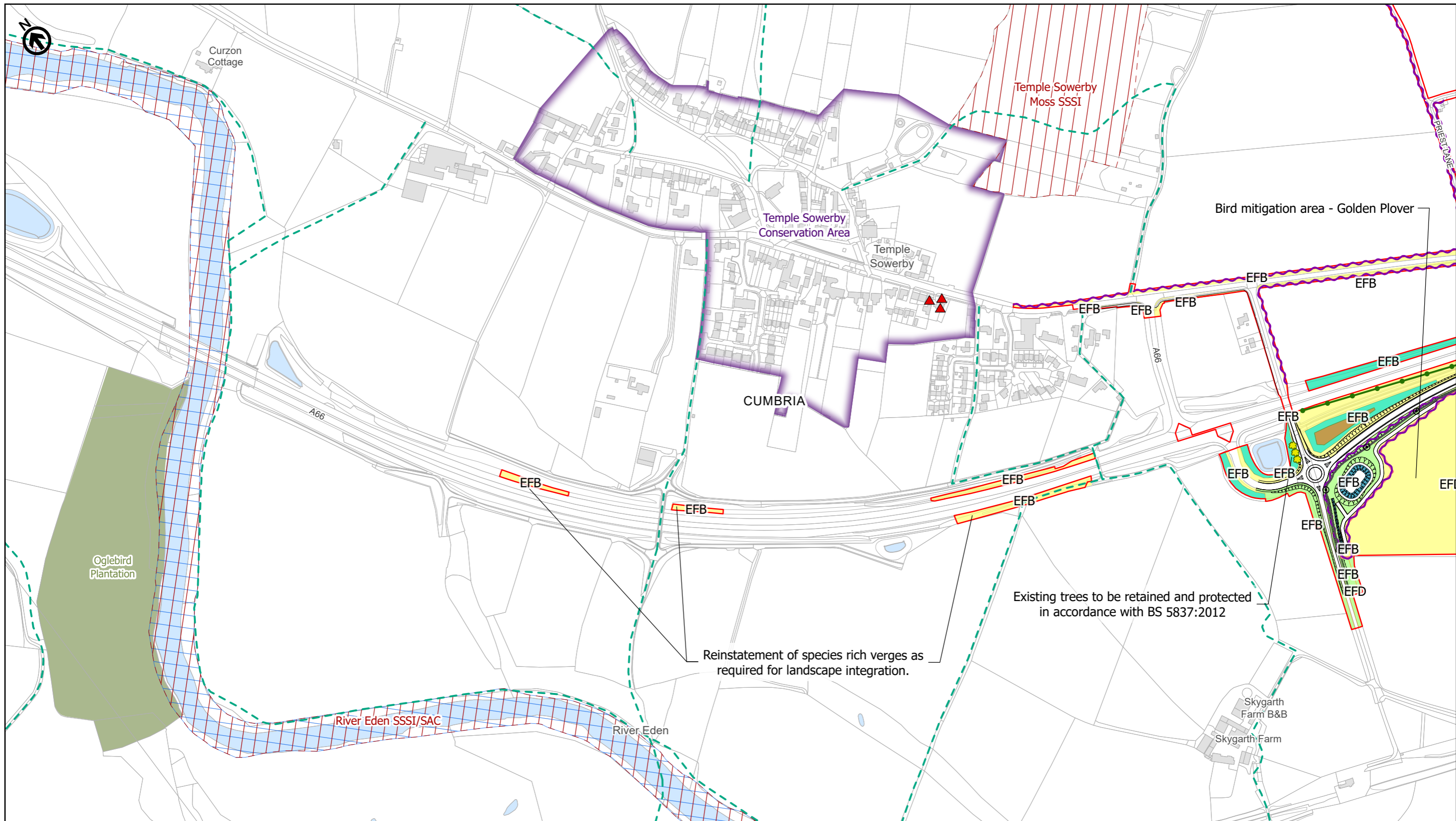
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Map Title <b>Figure 2.8.2 Environmental Mitigation Scheme: 03, Penrith to Temple Sowerby Sheet 3 of 3</b>			
Map Number Project	Originator	Volume	
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Suitability	Suitability Description	Role	Number
S4	FIT FOR STAGE APPROVAL		P03

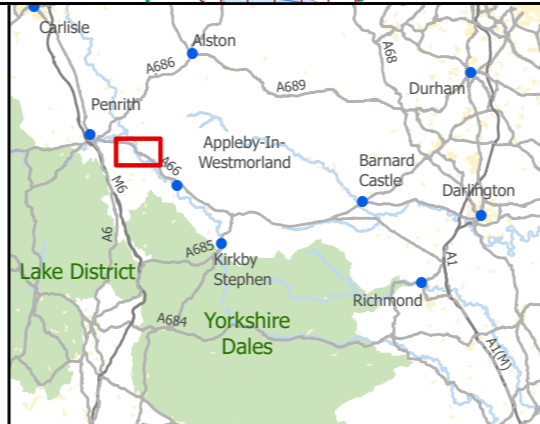


Environmental Function Code

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P02	First Issue				
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	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

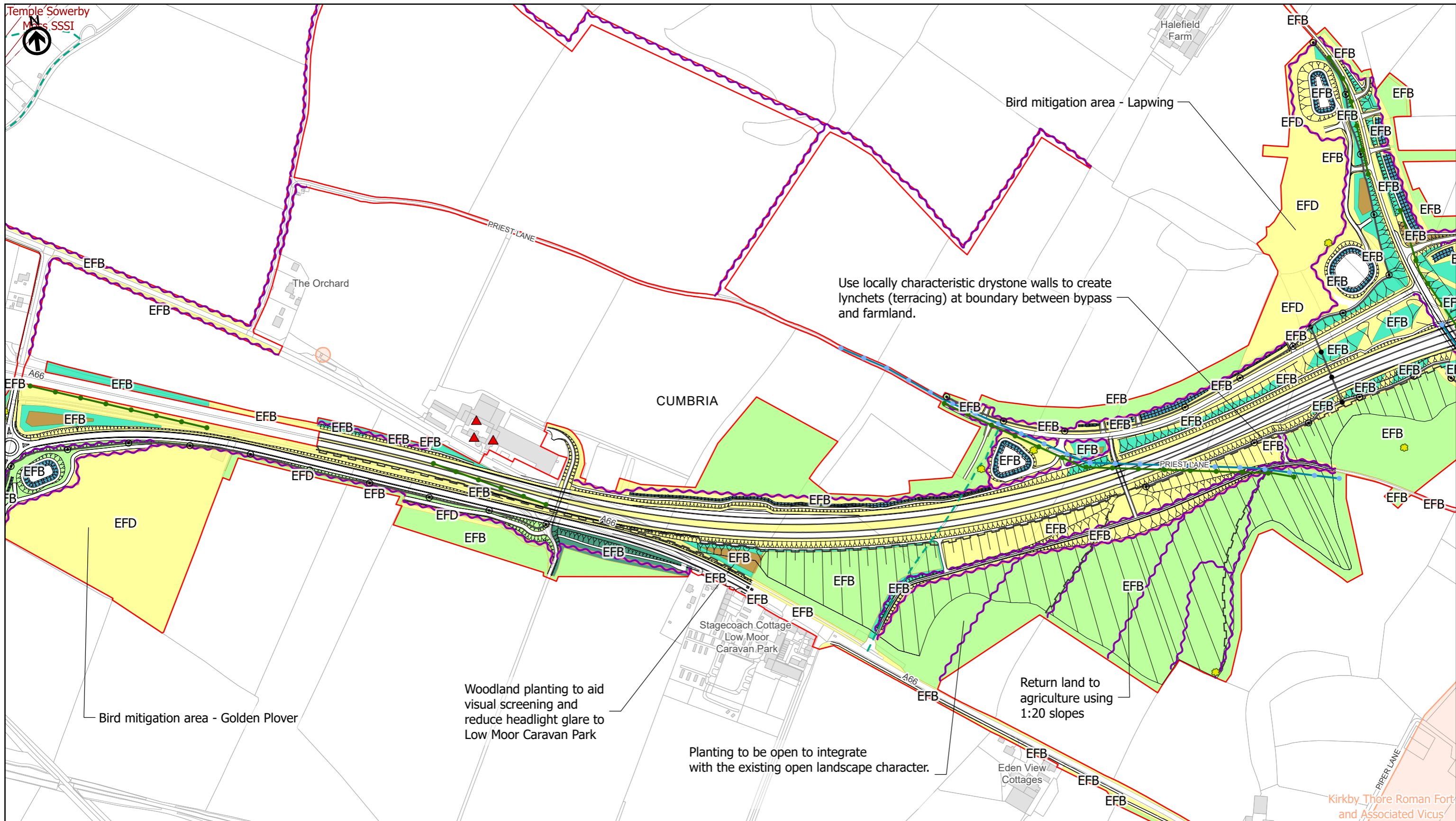
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.3 Environmental Mitigation Scheme: 0405, Temple Sowerby to Appleby Sheet 1 of 11</b>			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200006
Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision P02

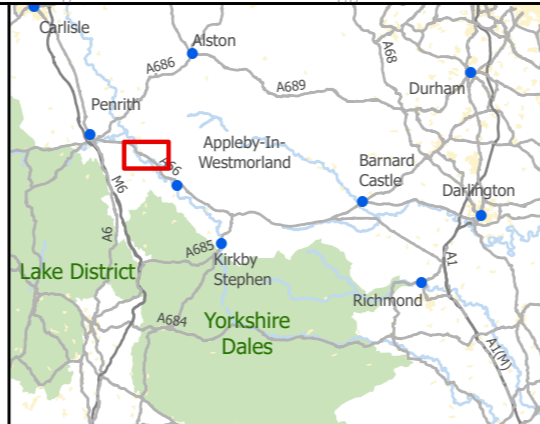


Environmental Function Code -

EFA Visual screening	7
EFB Landscape integration	8
EFD Nature conservation and biodiversity	9
EFE Visual amenity	10

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P02	First Issue	LPAG	LHAN	AWAR	AMIT	KWHA
		07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Metres

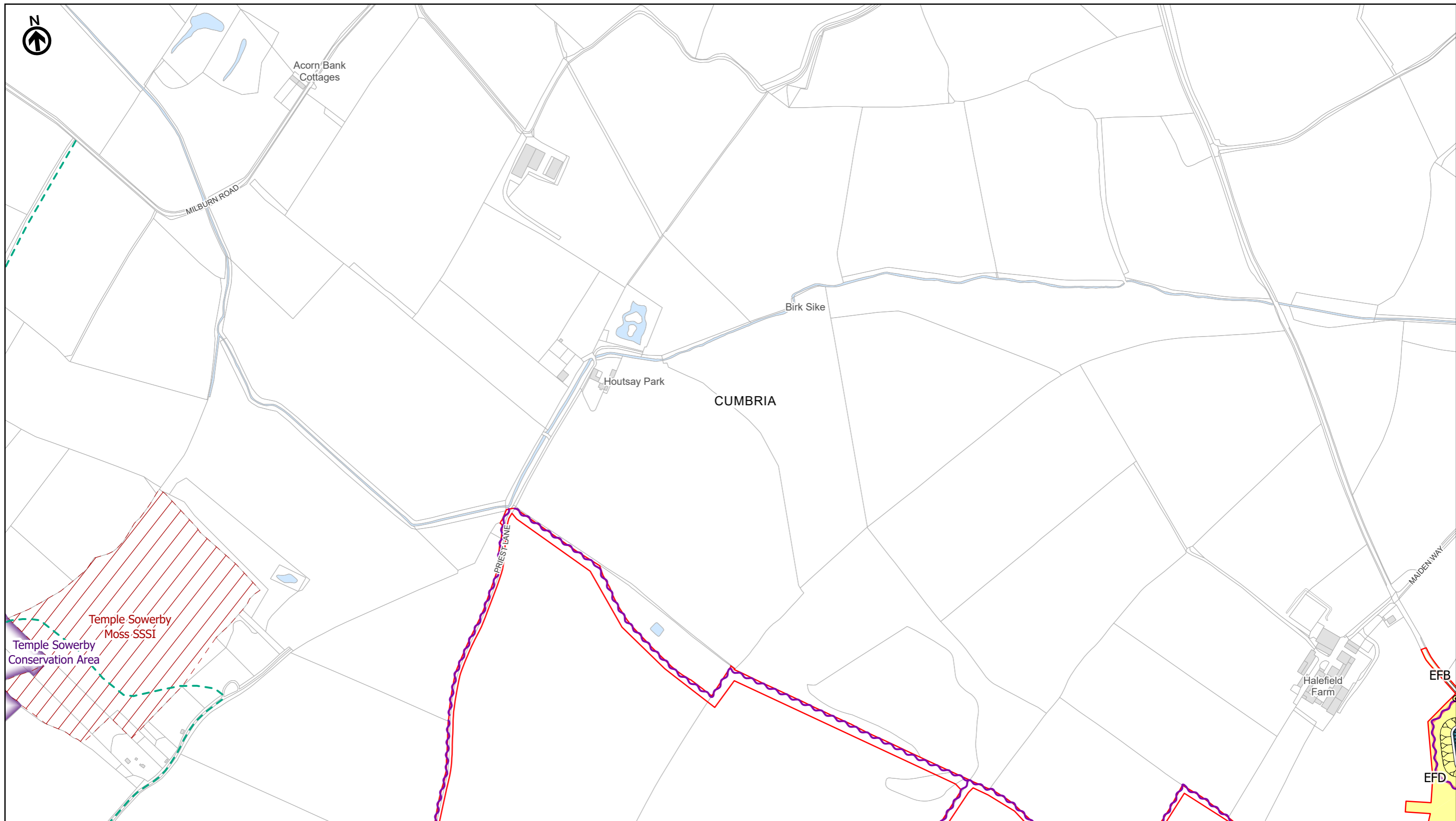
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.3 Environmental Mitigation</b>			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 2 of 11			
Map Number Project	Originator	Volume	
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S00	MP	LX	200007
Location	Type	Role	Number
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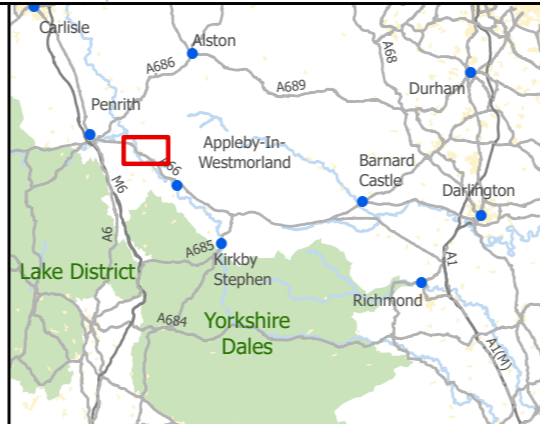




Environmental Function Code	Notes:
EFA Visual screening <sup>7</sup>	1. The design of the project and the location of the mitigation measures shown demonstrate how the environmental mitigation can be incorporated into the detailed design of the project within the parameters of the development consent sought and in compliance with the provisions of the development consent order, in particular, the provisions of the Environmental Management Plan (Application Document 2.7) and the Project Design Principles (Application Document 5.11).
EFB Landscape integration <sup>8</sup>	2. All dimensions are approximate and in metres unless noted otherwise.
EFD Nature conservation and biodiversity <sup>9</sup>	3. To be read in conjunction with the Project Design Principles (Application Document 5.11) and Environmental Management Plan (Application Document 2.7).
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P02	First Issue				
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	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

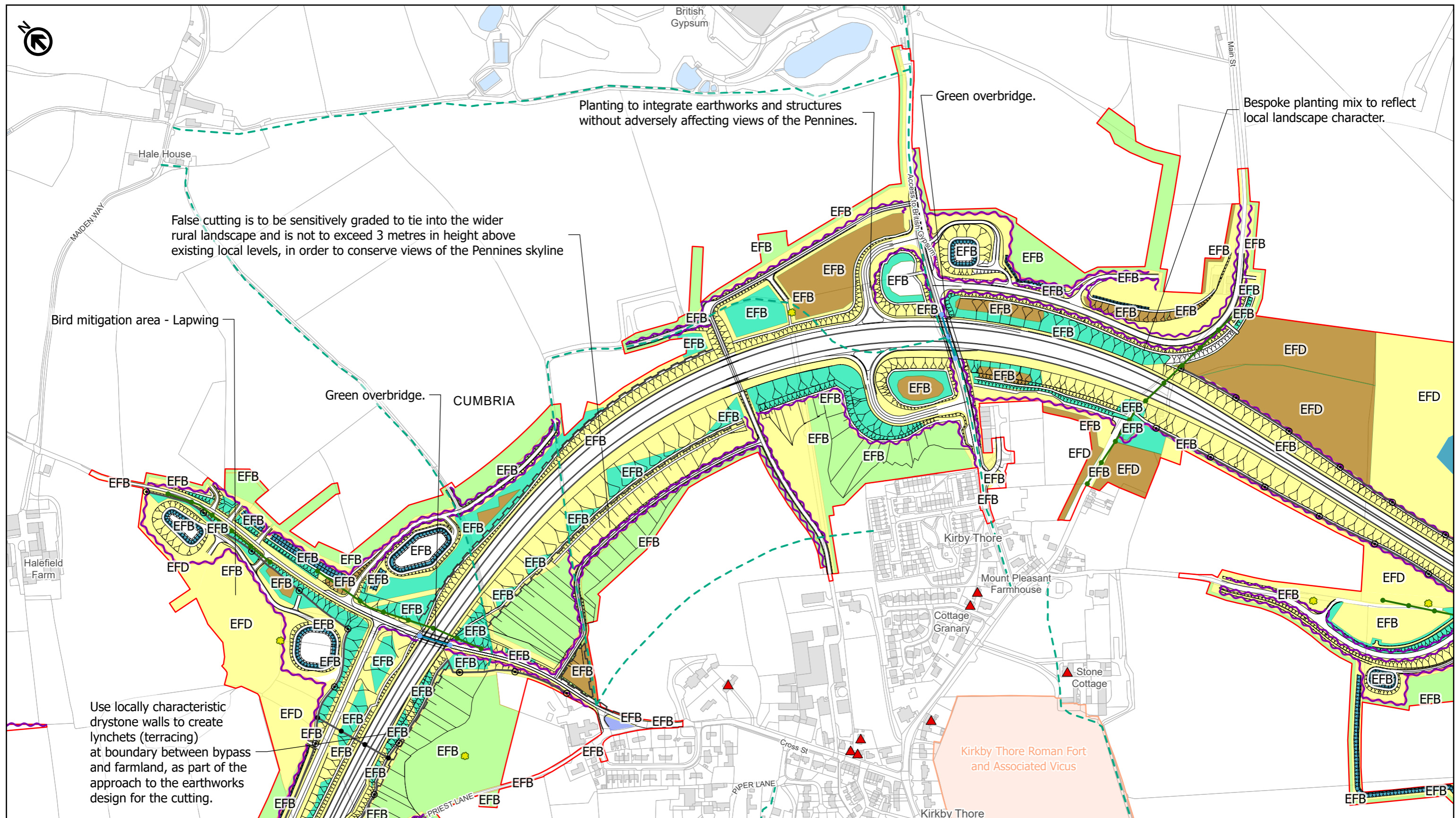
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Project Name			
A66 Northern Trans-Pennine Project			
Map Title			
Figure 2.8.3			
Environmental Mitigation			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 3 of 11			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EGN
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Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02

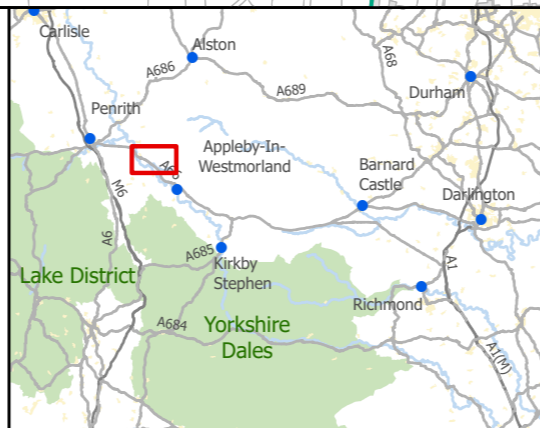


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- EFA Visual screening 7
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Revision	Created	Checked	Reviewed	Approved	Authorised	

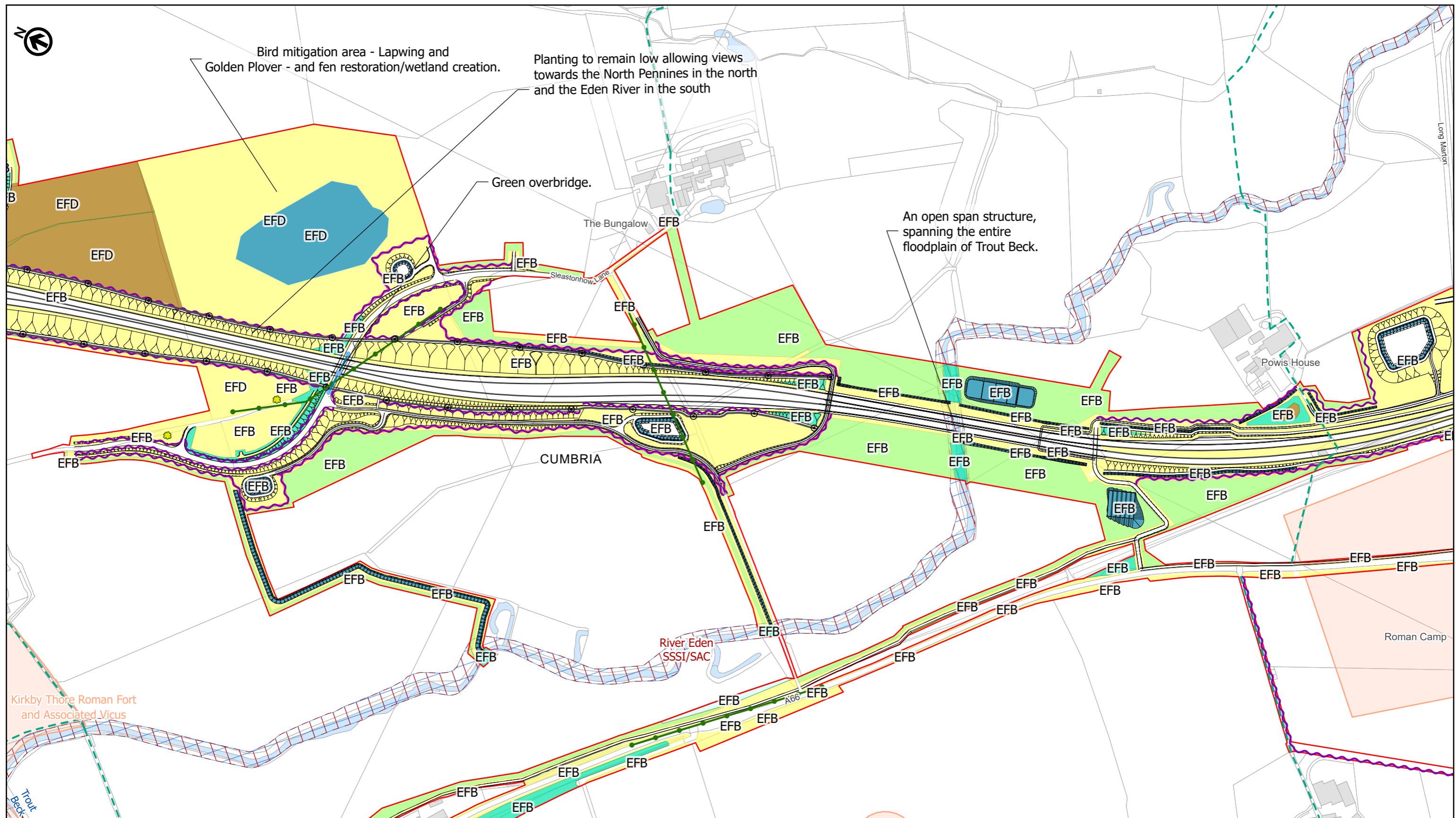
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.3 Environmental Mitigation Scheme: 0405, Temple Sowerby to Appleby Sheet 4 of 11</b>			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
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Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision P02



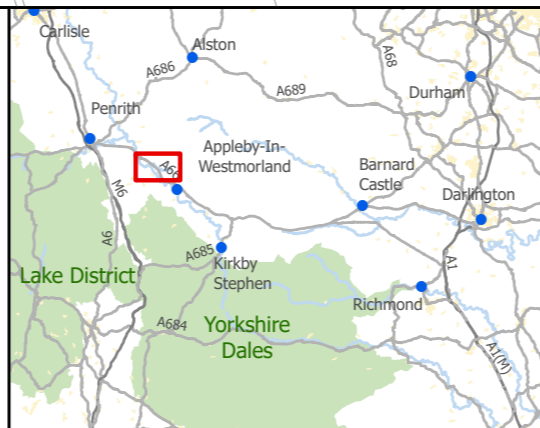


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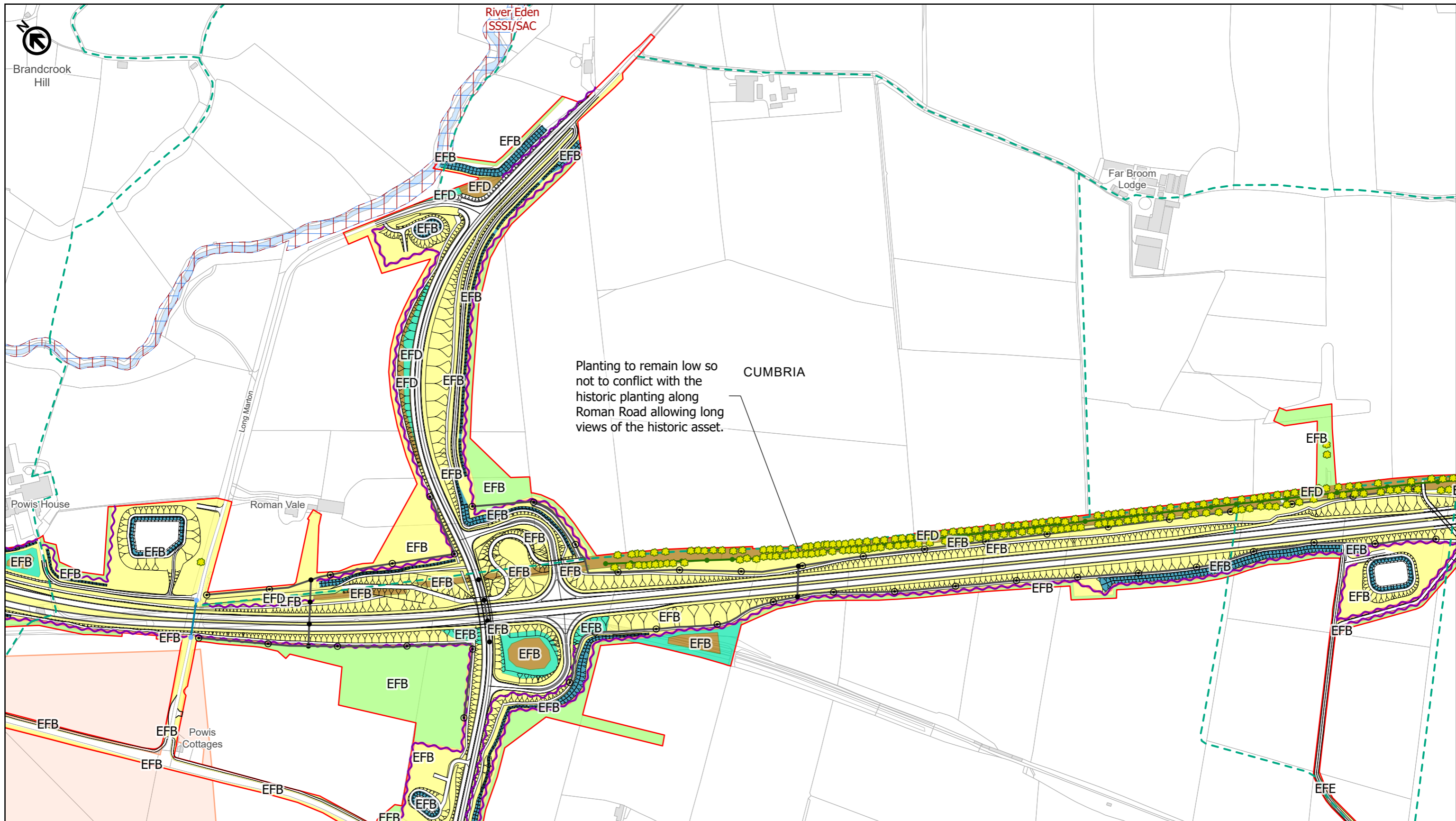
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.3 Environmental Mitigation Scheme: 0405, Temple Sowerby to Appleby Sheet 6 of 11</b>			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200011
Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision P02

This figure meets the requirements of Regulation 5(2)(q) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009.

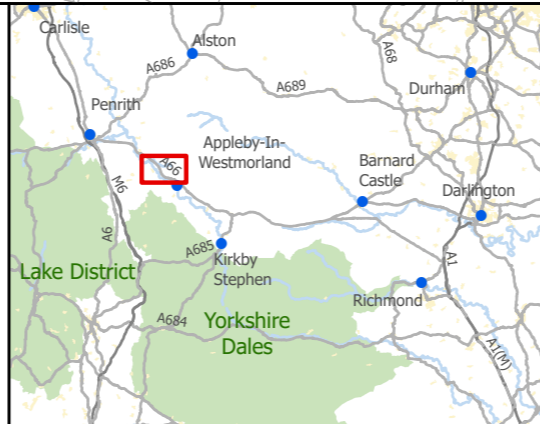


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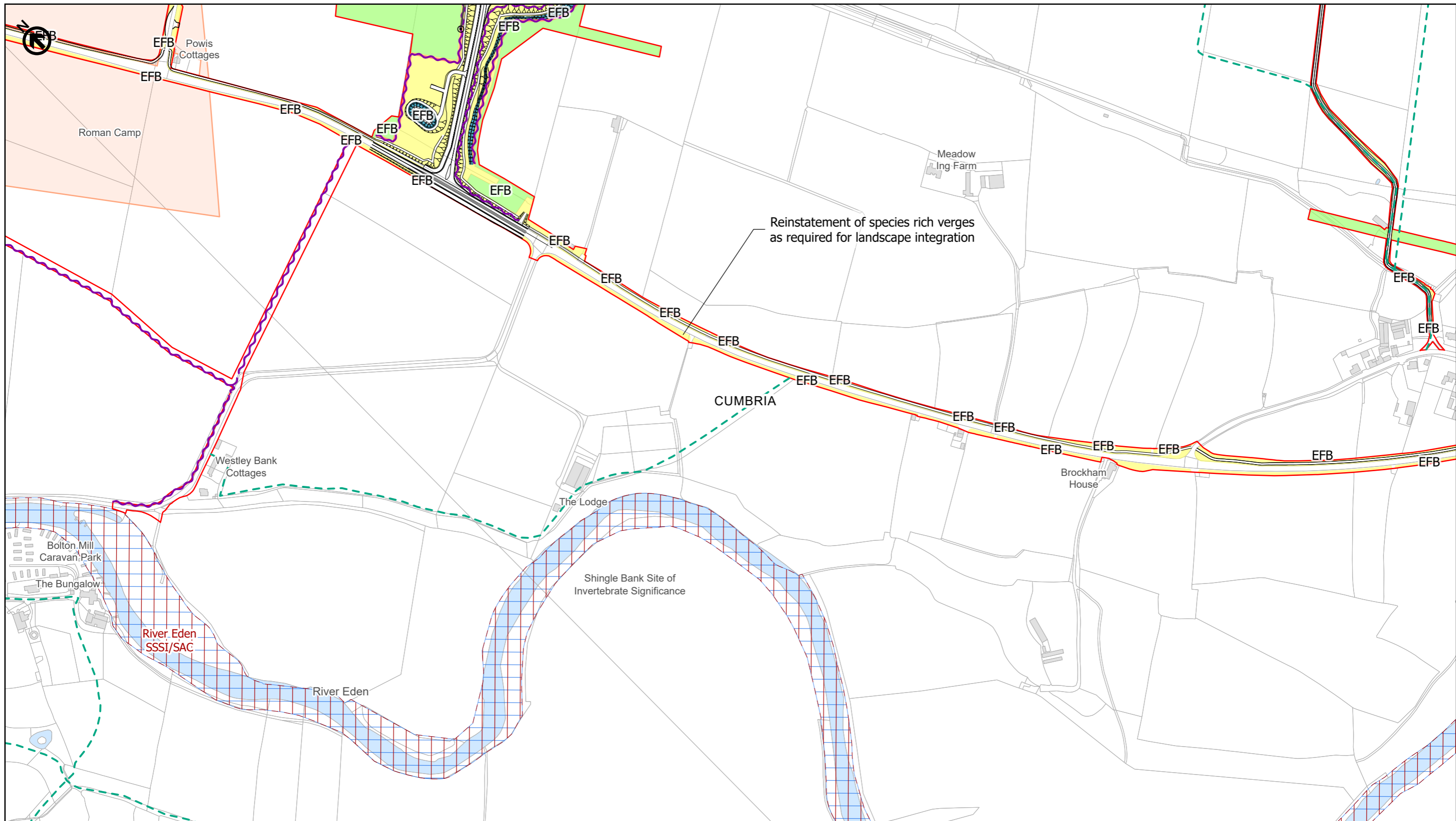
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.3</b>			
Environmental Mitigation			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 7 of 11			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EGN
S00	-	MP	- LX - 200012
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



Reinstatement of species rich verges as required for landscape integration

CUMBRIA

River Eden SSSI/SAC

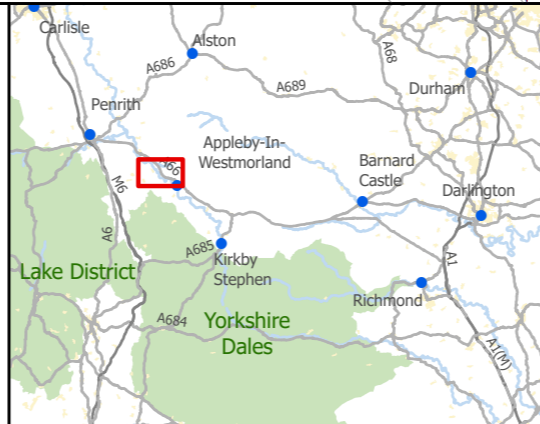
River Eden

Shingle Bank Site of Invertebrate Significance

- Environmental Function Code -
- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

**Notes:**

1. The design of the project and the location of the mitigation measures shown demonstrate how the environmental mitigation can be incorporated into the detailed design of the project within the parameters of the development consent sought and in compliance with the provisions of the development consent order, in particular, the provisions of the Environmental Management Plan (Application Document 2.7) and the Project Design Principles (Application Document 5.11).
2. All dimensions are approximate and in metres unless noted otherwise.
3. To be read in conjunction with the Project Design Principles (Application Document 5.11) and Environmental Management Plan (Application Document 2.7).



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P02	First Issue				
	LPAG	LHAN	AWAR	AMIT	KWHA
	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

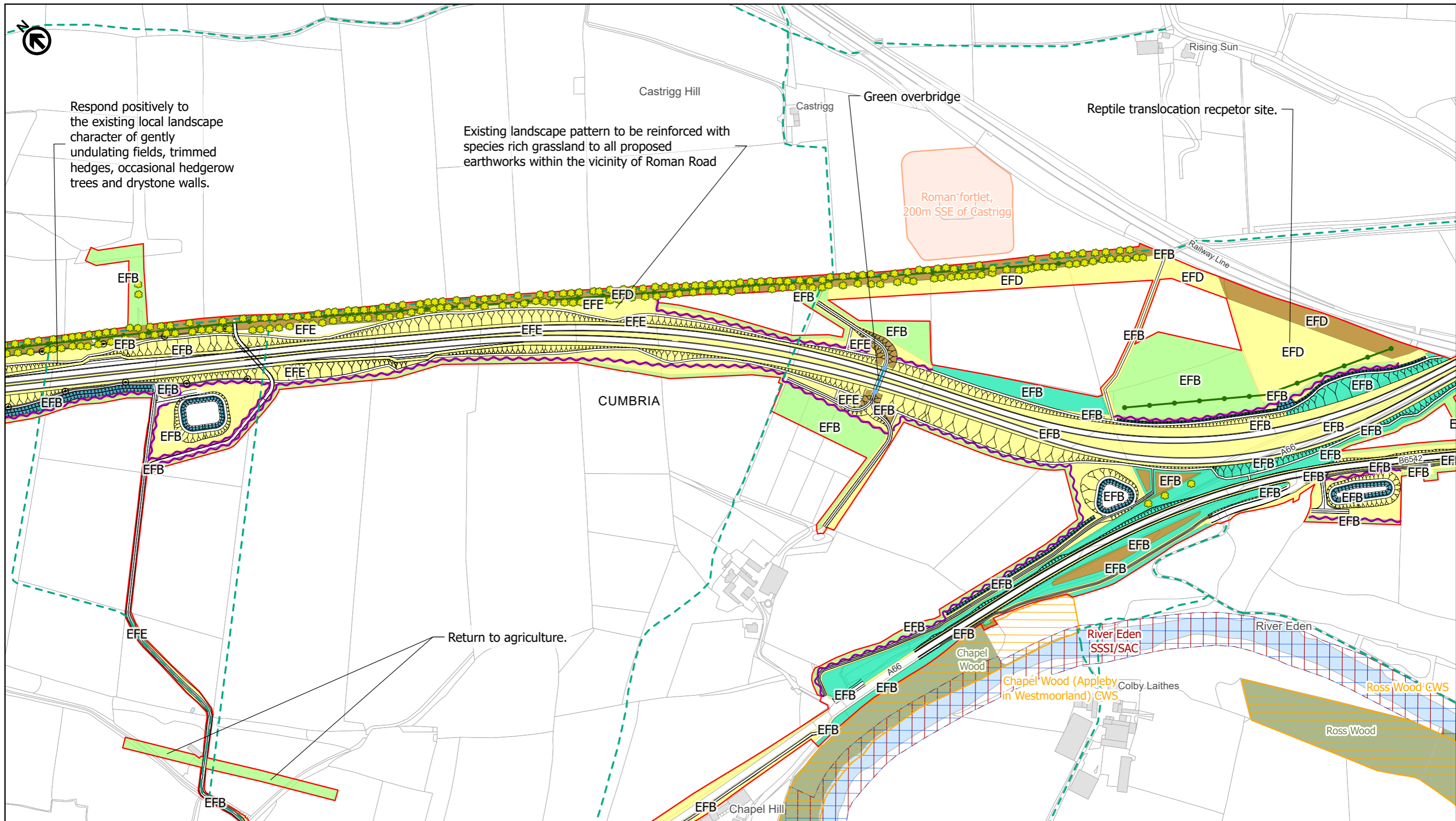
Metres

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Scale @ A3: 1:5,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.3</b>			
Environmental Mitigation			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 8 of 11			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EGN
S00	-	MP	- LX - 200013
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P02



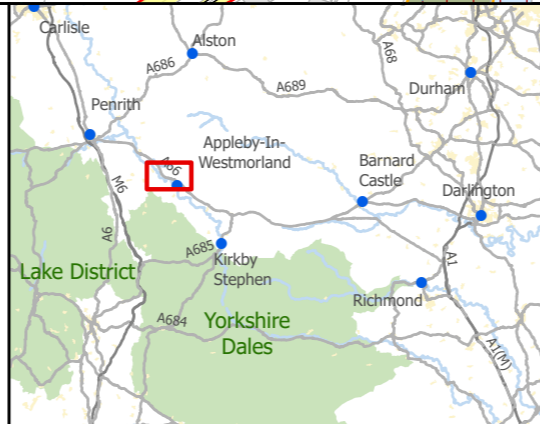
Respond positively to the existing local landscape character of gently undulating fields, trimmed hedges, occasional hedgerow trees and drystone walls.

Existing landscape pattern to be reinforced with species rich grassland to all proposed earthworks within the vicinity of Roman Road

Return to agriculture.

Environmental Function Code -  
 EFA Visual screening <sup>7</sup>  
 EFB Landscape integration <sup>8</sup>  
 EFD Nature conservation and biodiversity <sup>9</sup>  
 EFE Visual amenity <sup>10</sup>

Notes:  
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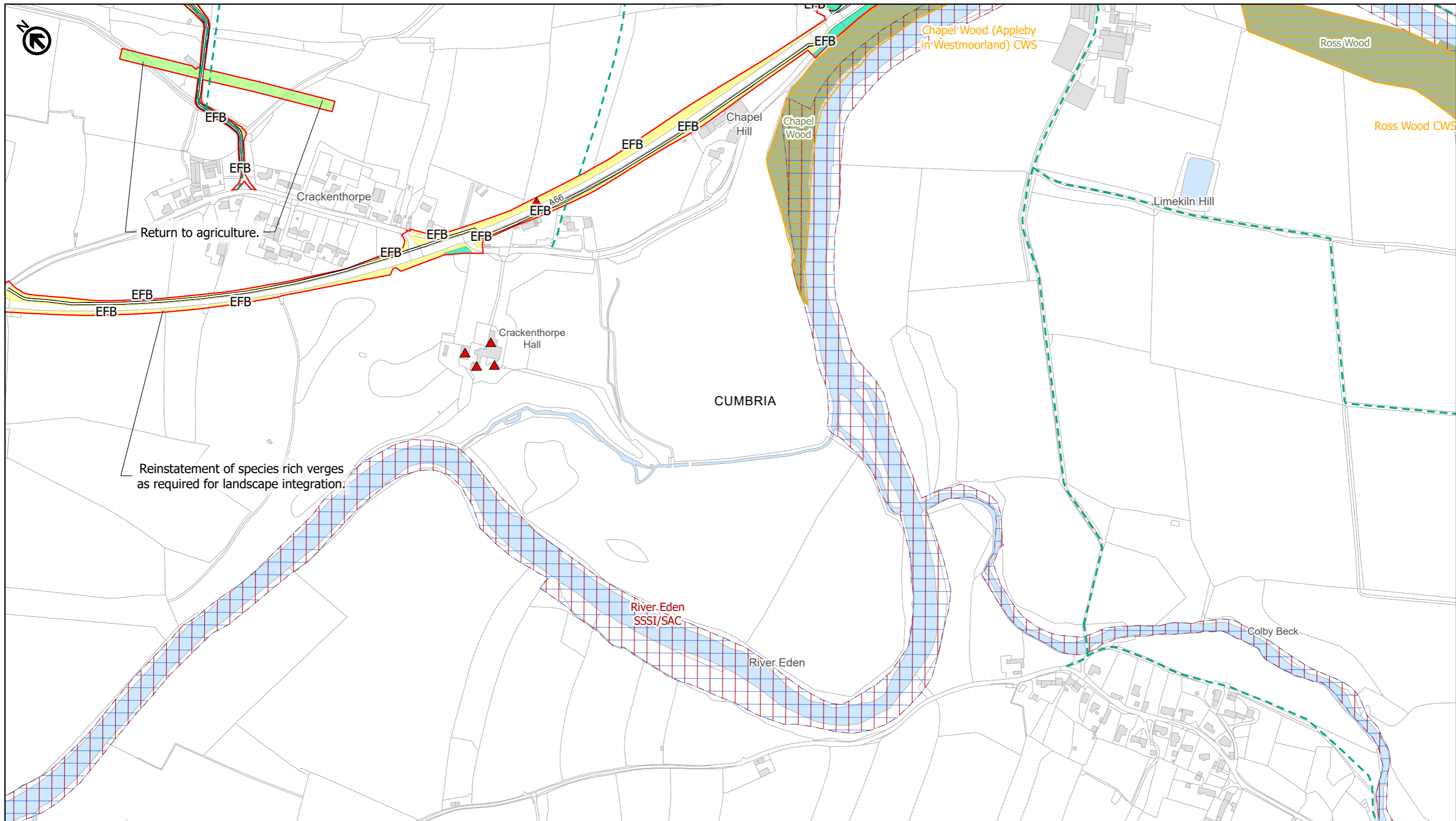
**national highways**  
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P02	First Issue	LPAG	LHAN	AWAR	AMIT	KWHA
		07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Metres  
 0 100 200 300 400

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.3</b>			
Environmental Mitigation			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 9 of 11			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200014
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P02

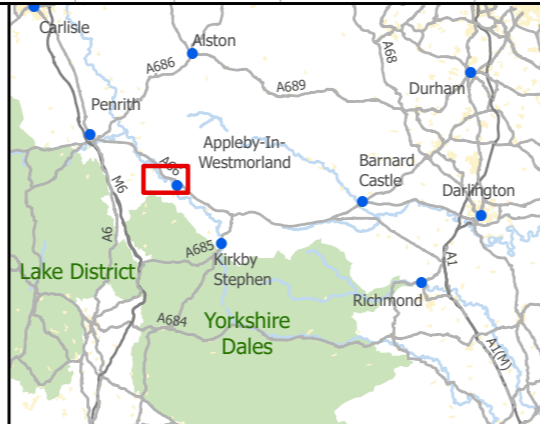


Environmental Function Code

EFA Visual screening	7
EFB Landscape integration	8
EFD Nature conservation and biodiversity	9
EFE Visual amenity	10

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P02	First Issue				
	LPAG	LHAN	AWAR	AMIT	KWHA
	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Metres

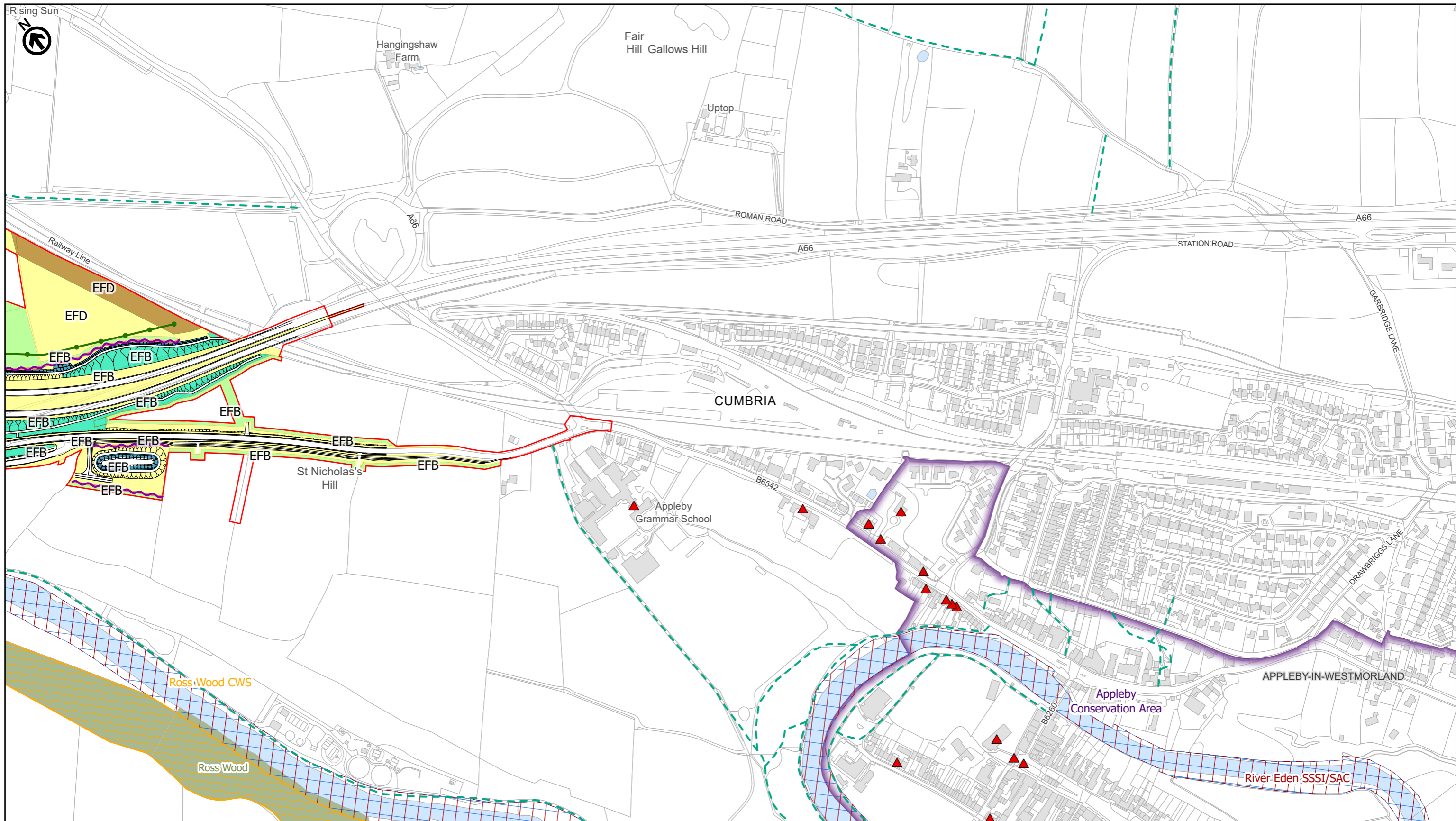
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Scale @ A3: 1:5,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.3</b>			
Environmental Mitigation			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 10 of 11			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP	LX
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P02



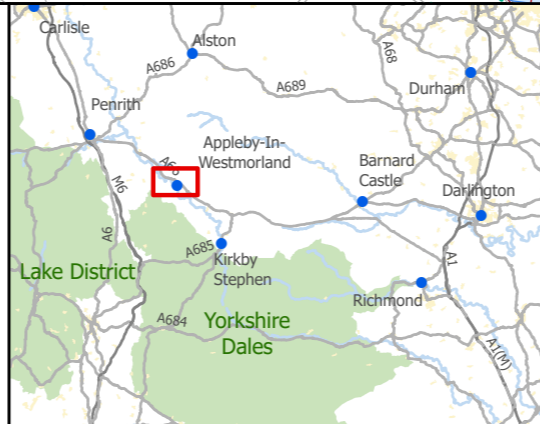


Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

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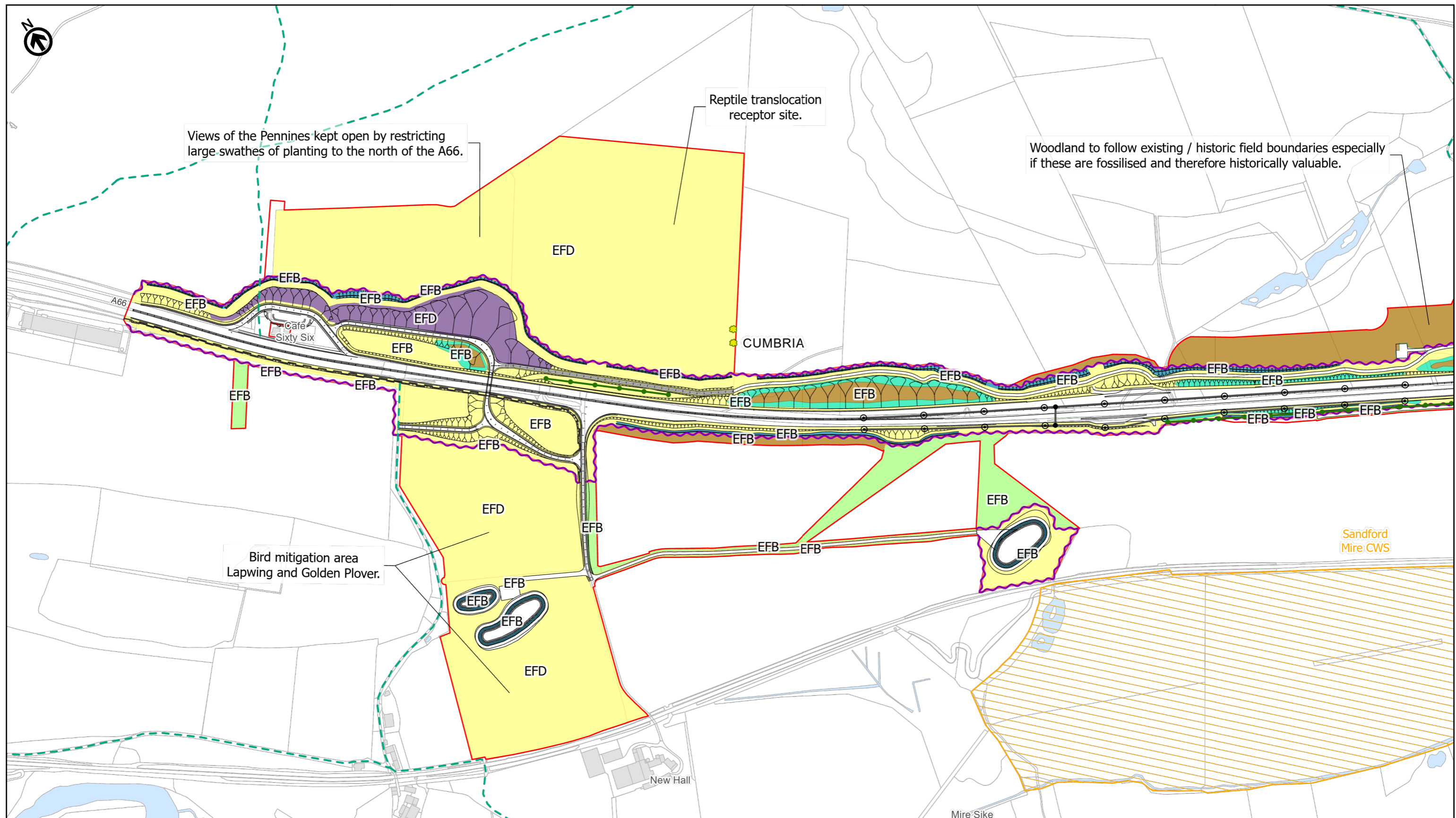
P02	First Issue	LPAG	LHAN	AWAR	AMIT	KWHA
	Created	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Checked	Reviewed	Approved	Authorised		

Metres

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.3</b>			
Environmental Mitigation Scheme: 0405, Temple Sowerby to Appleby Sheet 11 of 11			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	-	MP	LX - 200016
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P02

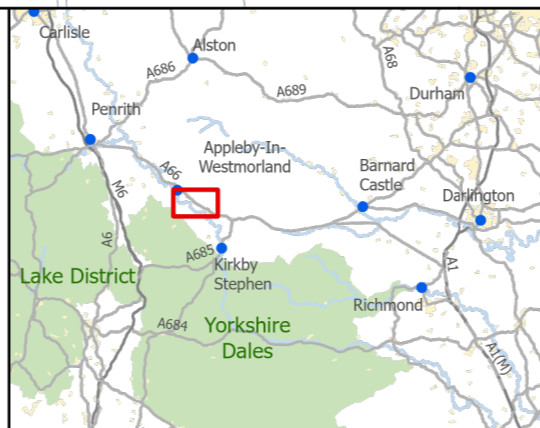


Environmental Function Code

EFA Visual screening	7
EFB Landscape integration	8
EFD Nature conservation and biodiversity	9
EFE Visual amenity	10

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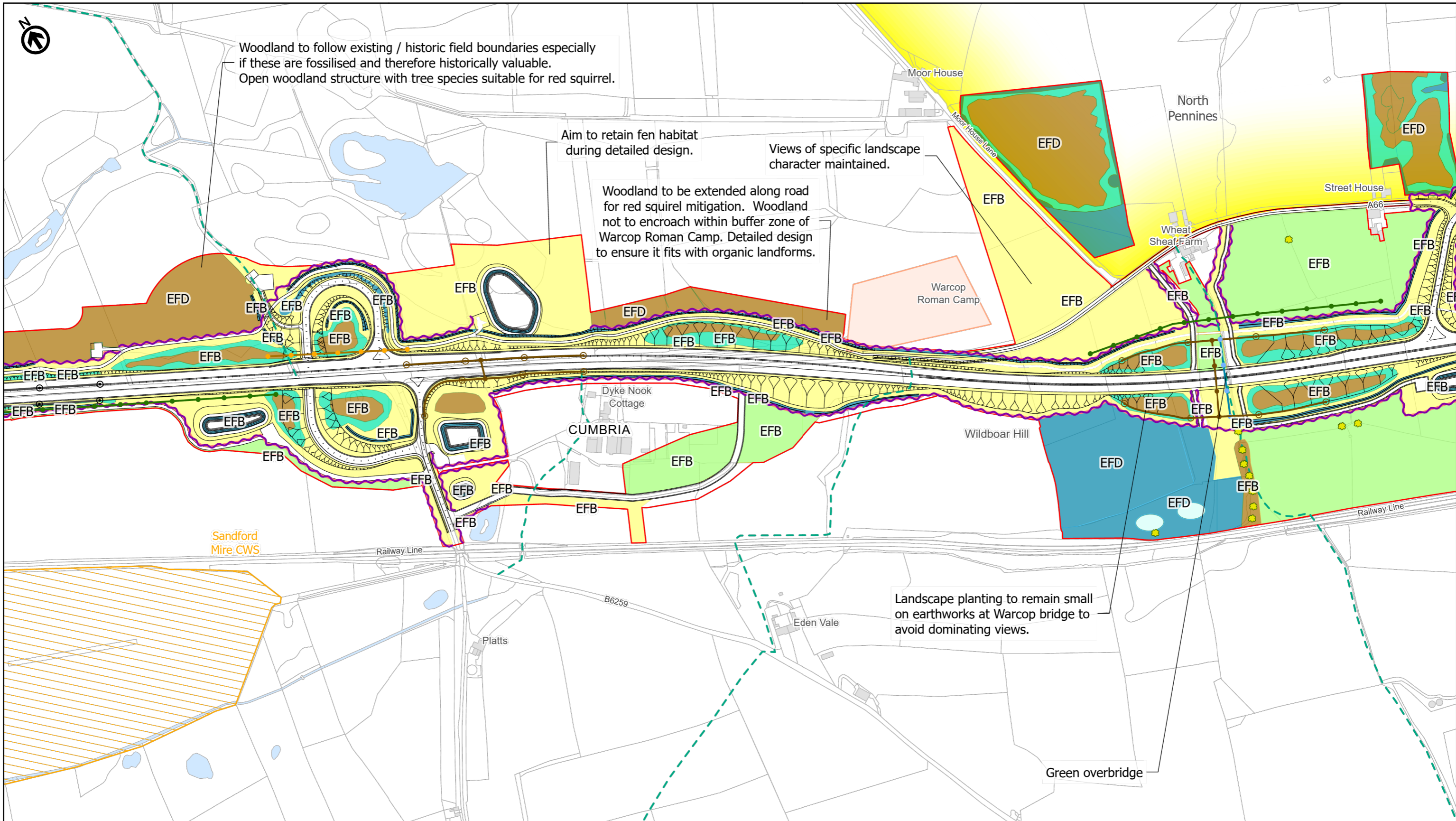
P03					
Second Issue: Revised Order Limits and Mitigation					
LPAG	PKEL	AWAR	AMIT	KWAH	
19/04/23	19/04/23	19/04/23	16/05/23	16/05/23	
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name			
A66 Northern Trans-Pennine Project			
Map Title			
Figure 2.8.4			
Environmental Mitigation			
Scheme: 06, Appleby to Brough			
Sheet 1 of 5			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LX	-
Location	Type	Role	Number
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P03	

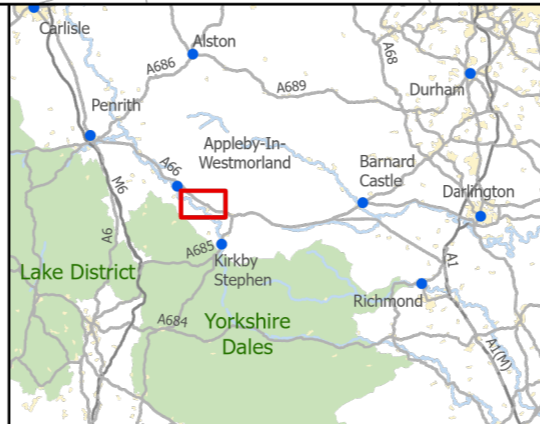


Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

Notes:

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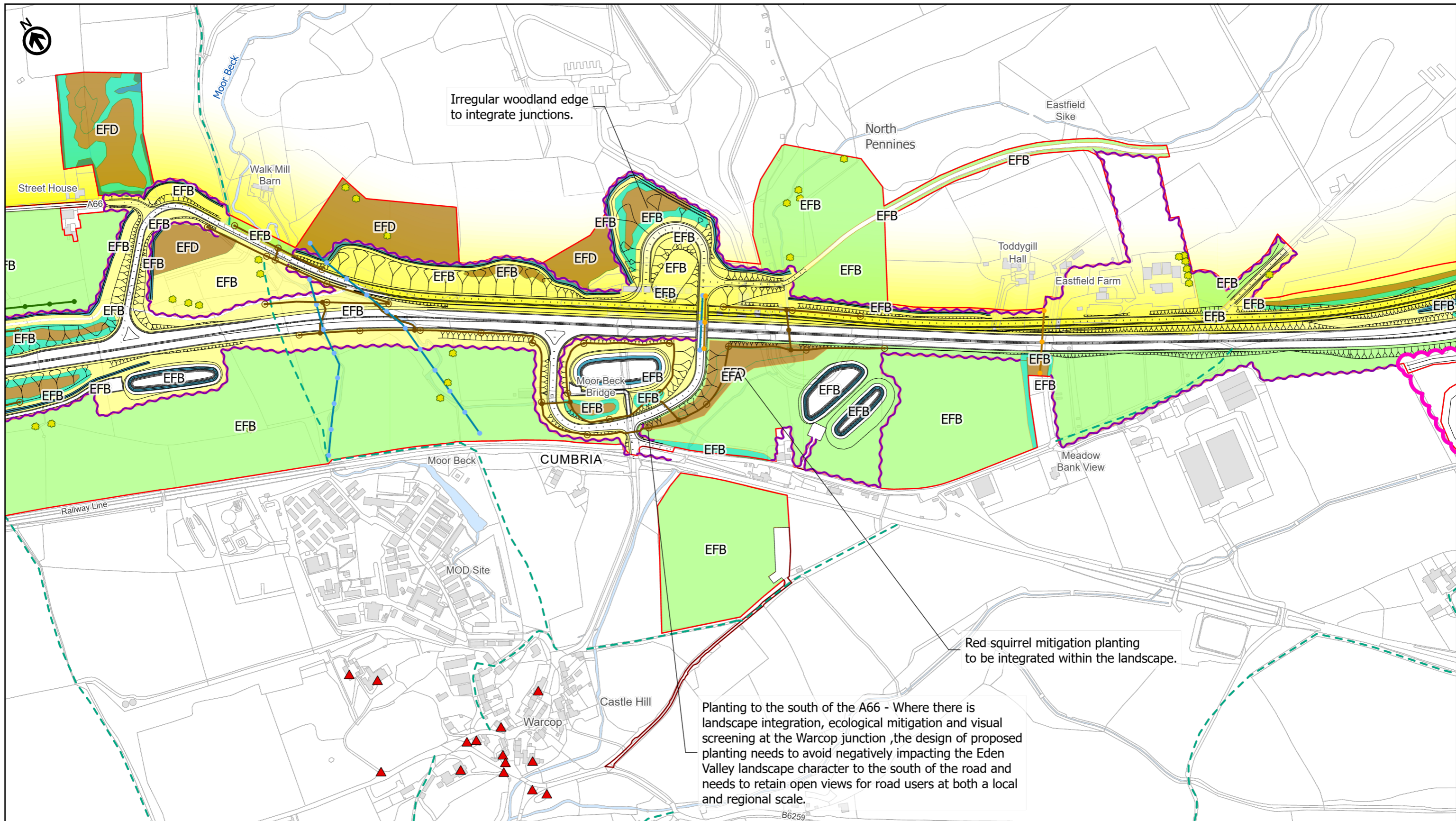
Second Issue: Revised Order Limits and Mitigation					
P03	LPAG	PKEL	AWAR	AMIT	KWHA
	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

Metres

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.4</b>			
Environmental Mitigation <b>Scheme: 06, Appleby to Brough</b>			
Sheet 2 of 5			
Map Number Project HE565627	Originator - AMY	Volume - EGN	
S00 Location	- MP - LX - 200018	Type   Role   Number	
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>	Revision P03	



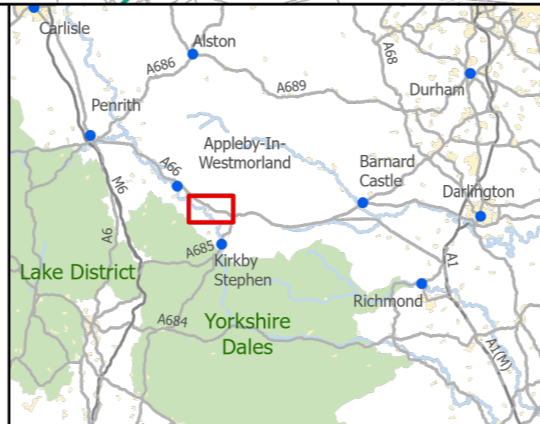
Environmental Function Code

EFA Visual screening	7
EFB Landscape integration	8
EFD Nature conservation and biodiversity	9
EFE Visual amenity	10

**Notes:**

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As a result of the procedural decision of the Examining Authority dated 18 April 2023 (PD-014), 22 design changes were accepted into the Examination which alter the original designs submitted for the DCO application. The pink 'bubble' denotes where within the Order limits, as a result of those design changes, the original illustrative environmental mitigation design (as submitted as part of the DCO application in June 2022) is no longer valid. An illustrative environmental mitigation design is not yet available for these areas, although they are required by the Project to provide environmental mitigation and for other purposes. As with all of the land within the Order limits, the detailed environmental mitigation design will be confirmed during the detailed design process in full compliance with the obligations contained in the EMP and PDR.



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P03	Second Issue: Revised Order Limits and Mitigation				
	LPAG	PKEL	AWAR	AMIT	KWHA
	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

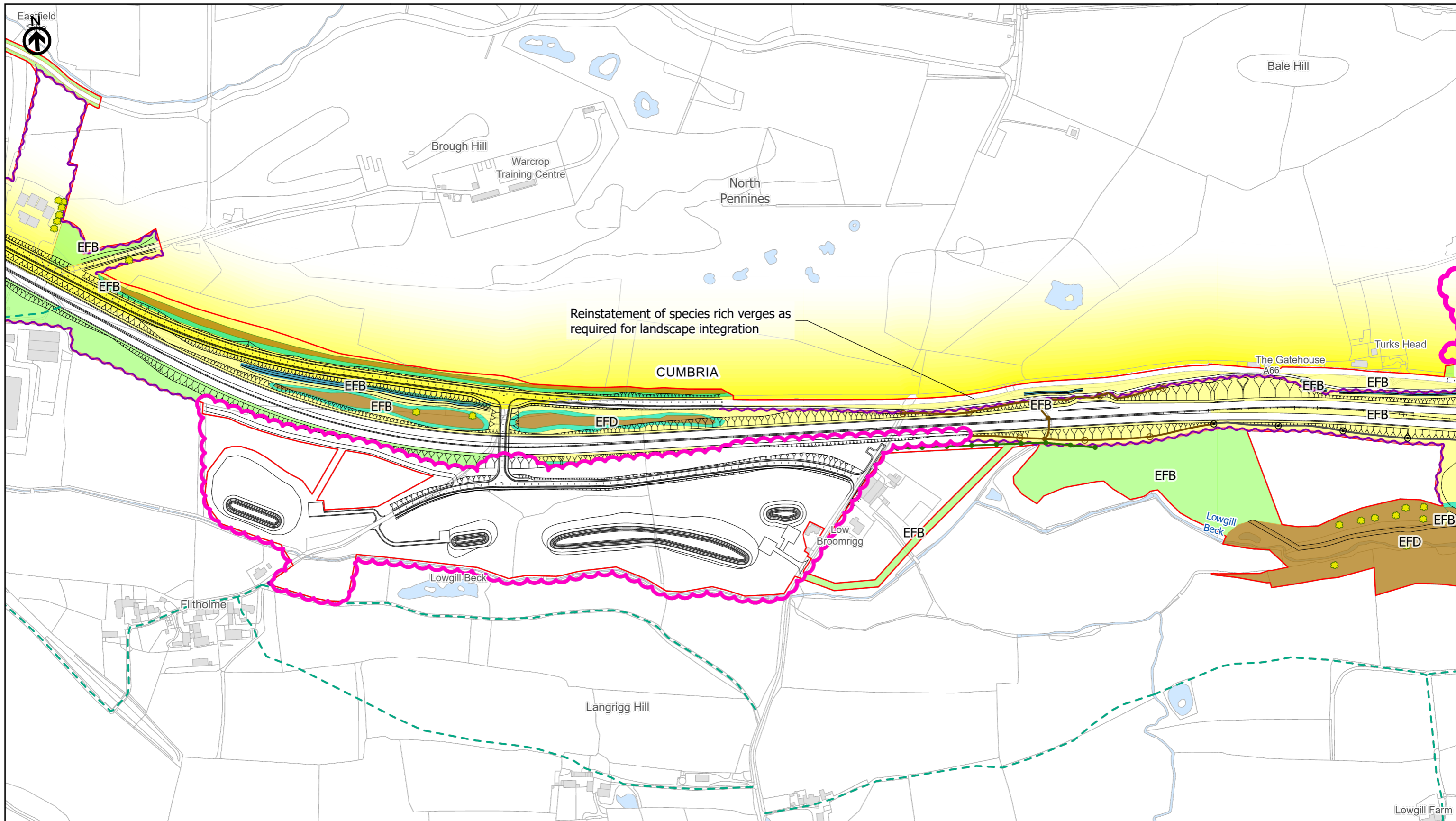
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Scale @ A3: 1:5,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.4</b>			
Environmental Mitigation Scheme: 06, Appleby to Brough			
Sheet 3 of 5			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200019
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P03



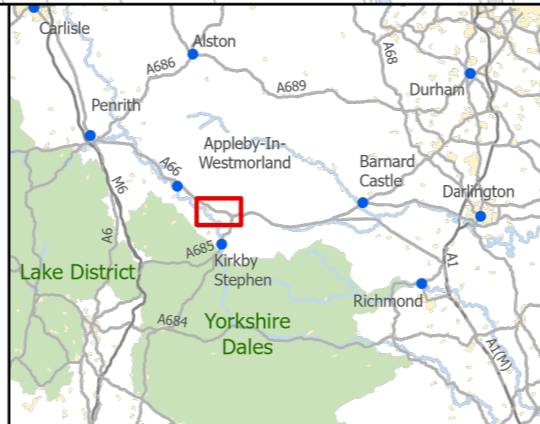
Environmental Function Code

EFA Visual screening	7
EFB Landscape integration	8
EFD Nature conservation and biodiversity	9
EFE Visual amenity	10

**Notes:**

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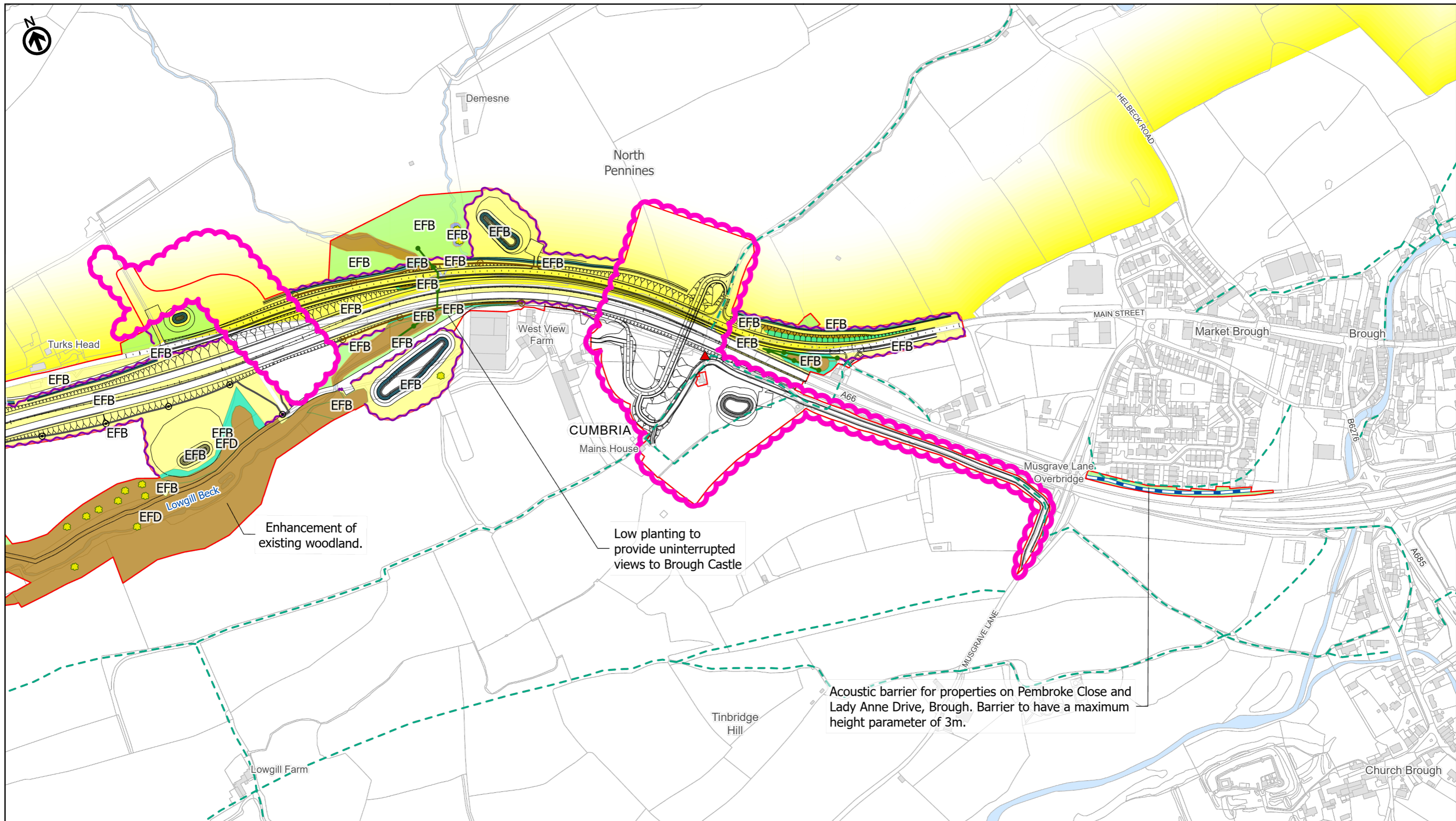
P03	Second Issue: Revised Order Limits and Mitigation				
	LPAG	PKEL	AWAR	AMIT	KWHA
	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

Metres

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.4 Environmental Mitigation Scheme: 06, Appleby to Brough Sheet 4 of 5</b>			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00 Location	MP	LX	200020
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision P03



Environmental Function Code

- EFA Visual screening 7
- EFB Landscape integration 8
- EFD Nature conservation and biodiversity 9
- EFE Visual amenity 10

Notes:

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Second Issue: Revised Order Limits and Mitigation					
P03	LPAG	PKEL	AWAR	AMIT	KWHA
	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

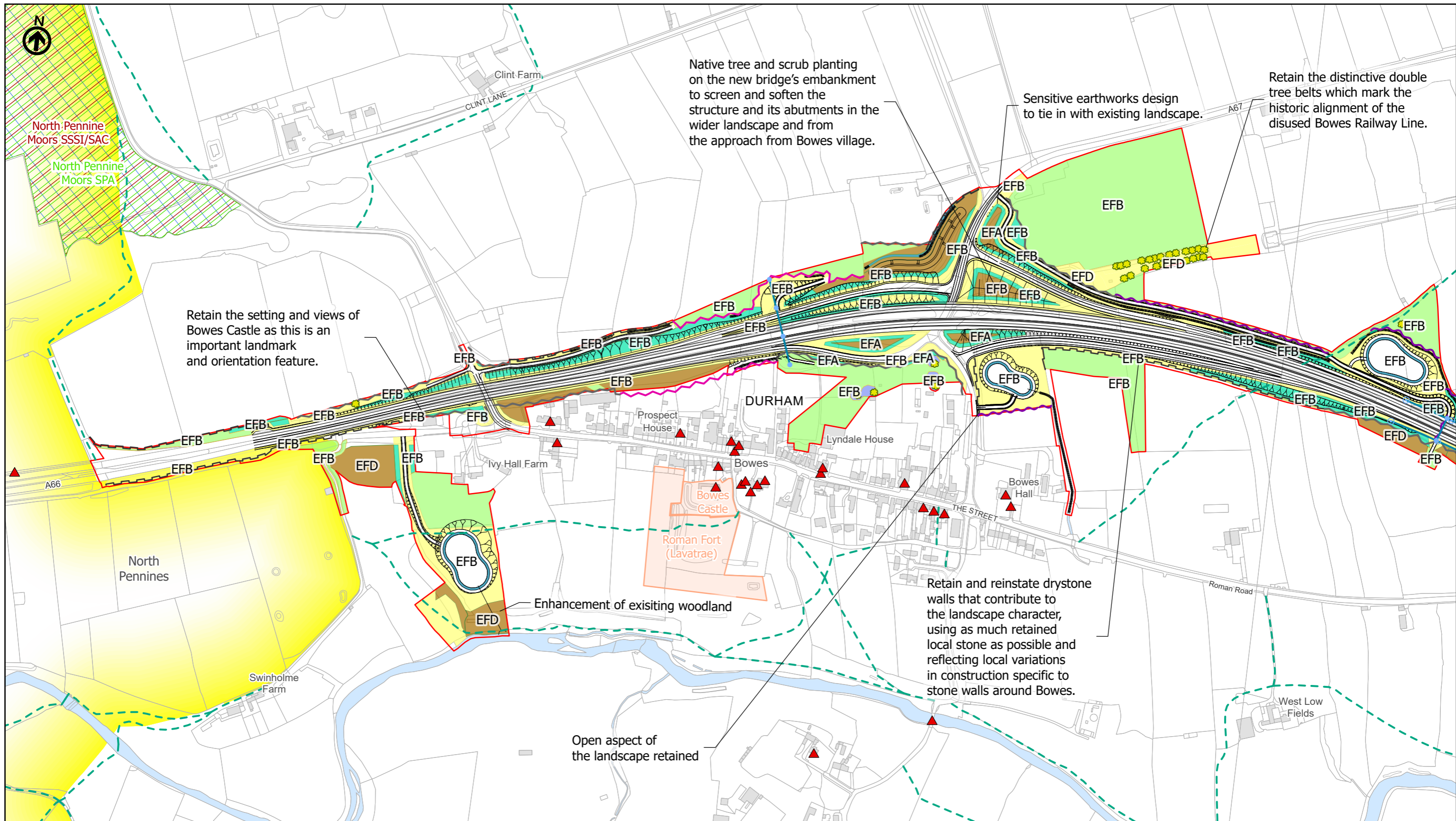
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.4</b>			
Environmental Mitigation Scheme: 06, Appleby to Brough Sheet 5 of 5			
Map Number Project	Originator	Volume	
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S00	MP	LX	200021
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		Revision P03

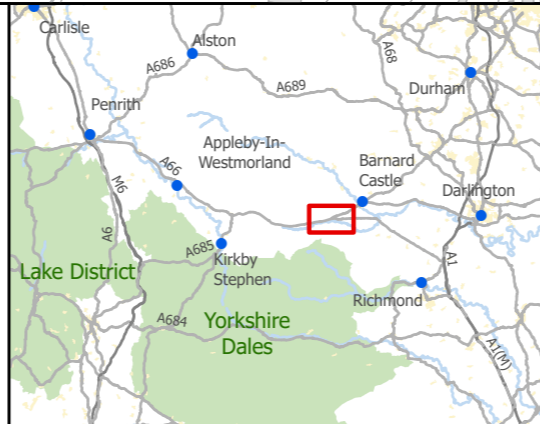


Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
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First Issue					
P02	LPAG	LHAN	AWAR	AMIT	KWHA
	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

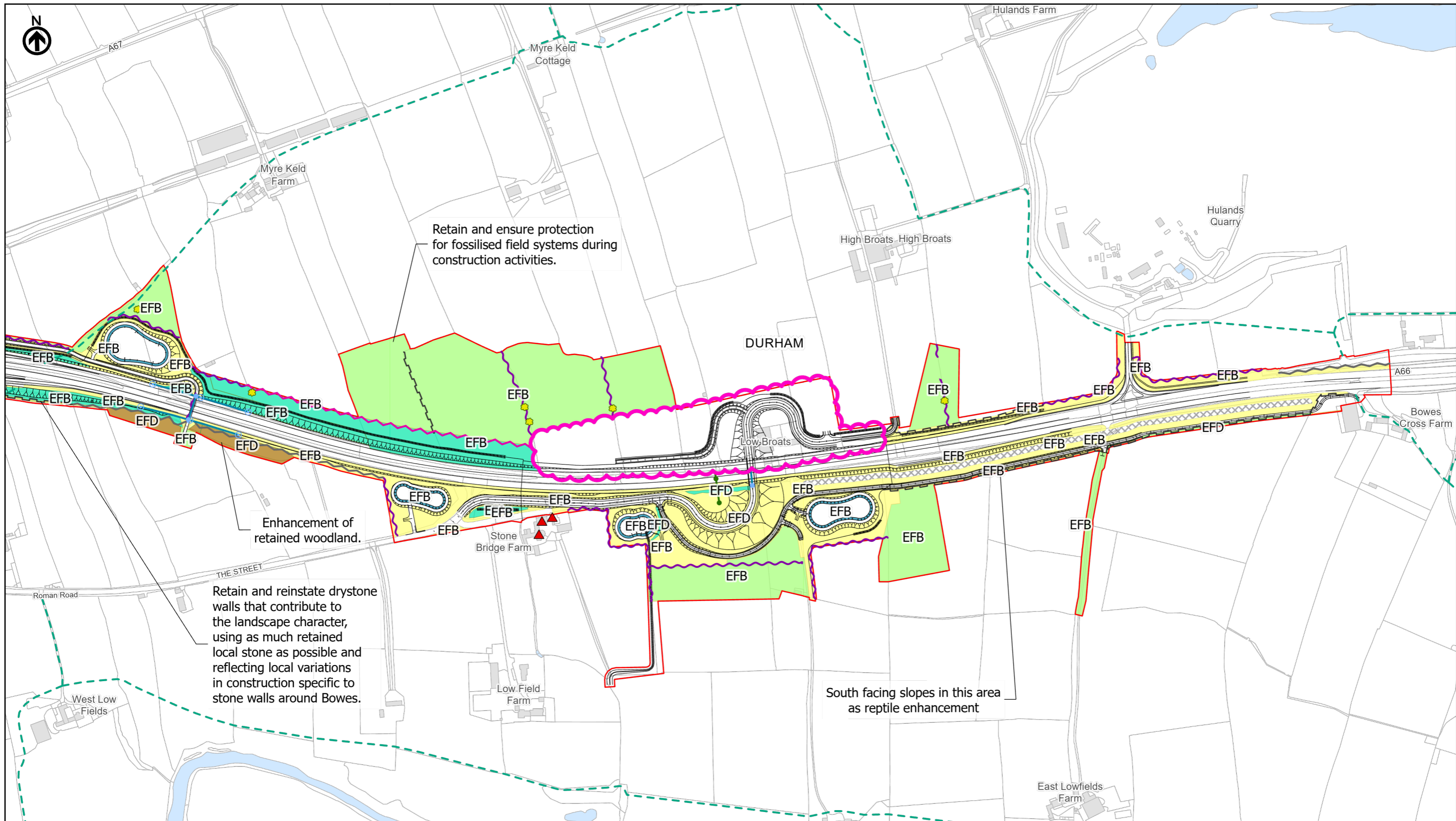
Metres

0 100 200 300 400

Scale @ A3: 1:5,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.5 Environmental Mitigation Scheme: 07, Bowes Bypass Sheet 1 of 2</b>			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200022
Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision P02



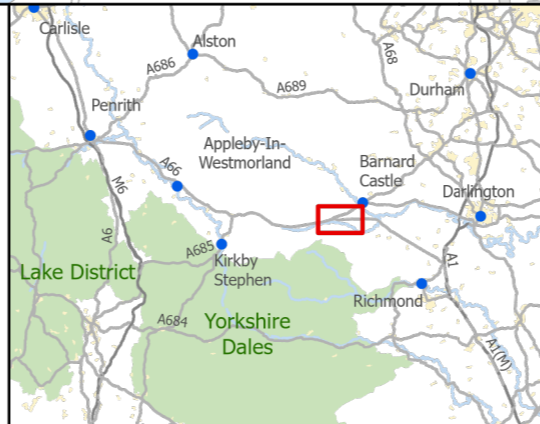
Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

Notes:

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Second Issue: Revised Order Limits and Mitigation					
P03	LPAG	PKEL	AWAR	AMIT	KWHA
	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

Metres

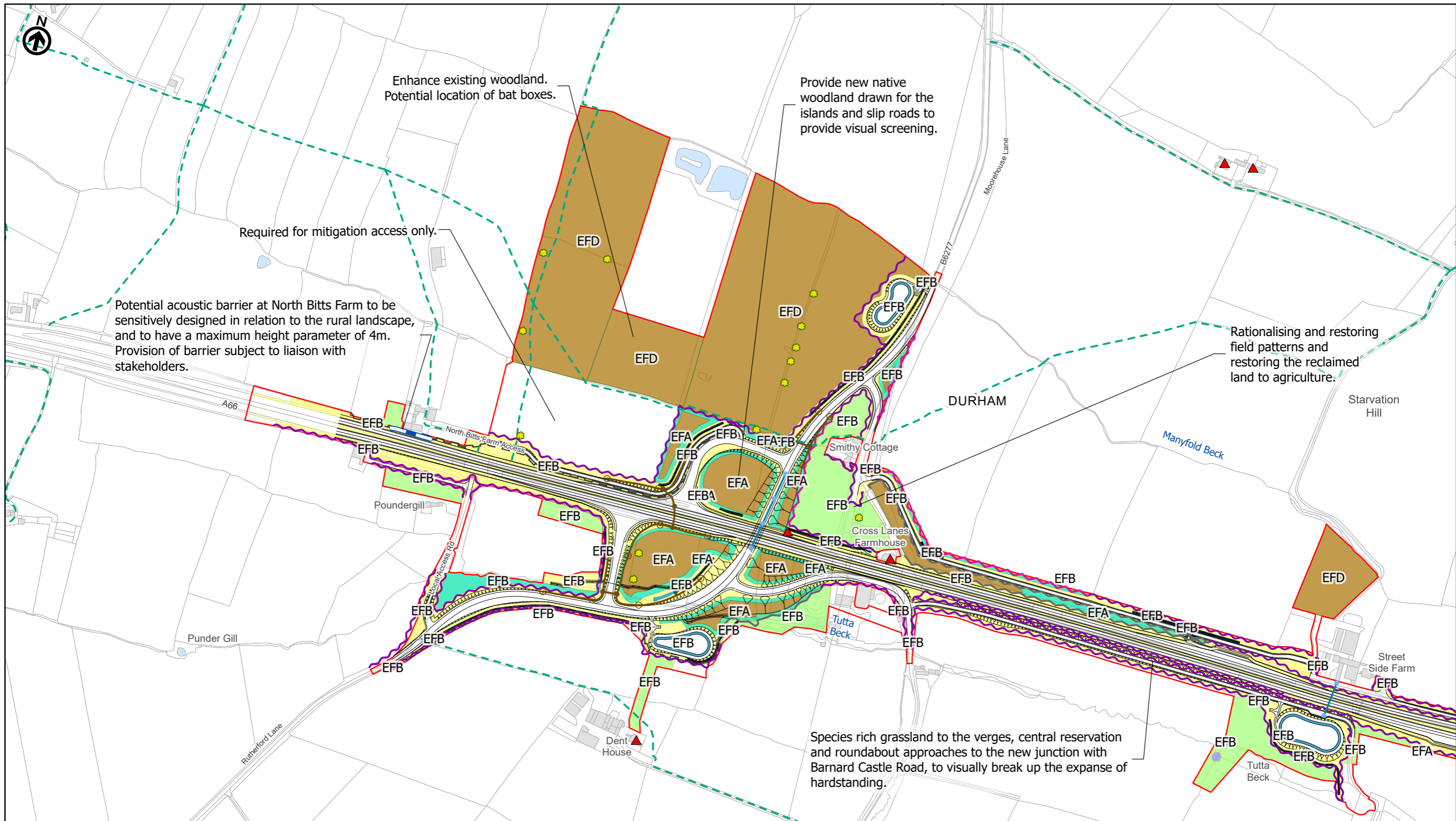
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Scale @ A3: 1:5,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.5</b>			
Environmental Mitigation <b>Scheme: 07, Bowes Bypass</b>			
Sheet 2 of 2			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200023
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL	Revision P03	



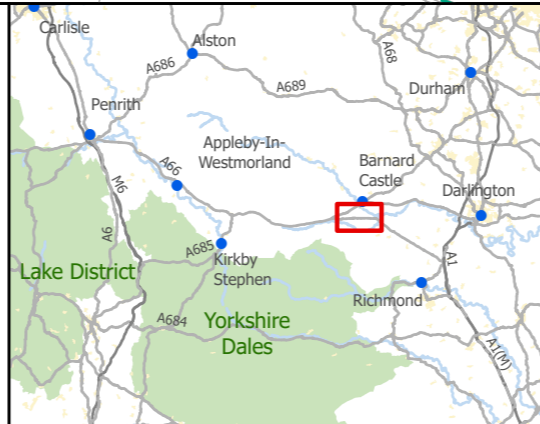


Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

Notes:

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- All dimensions are approximate and in metres unless noted otherwise.
- To be read in conjunction with the Project Design Principles (Application Document 5.11) and Environmental Management Plan (Application Document 2.7).



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P02	First Issue				
	LPAG	LHAN	AWAR	AMIT	KWHA
	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

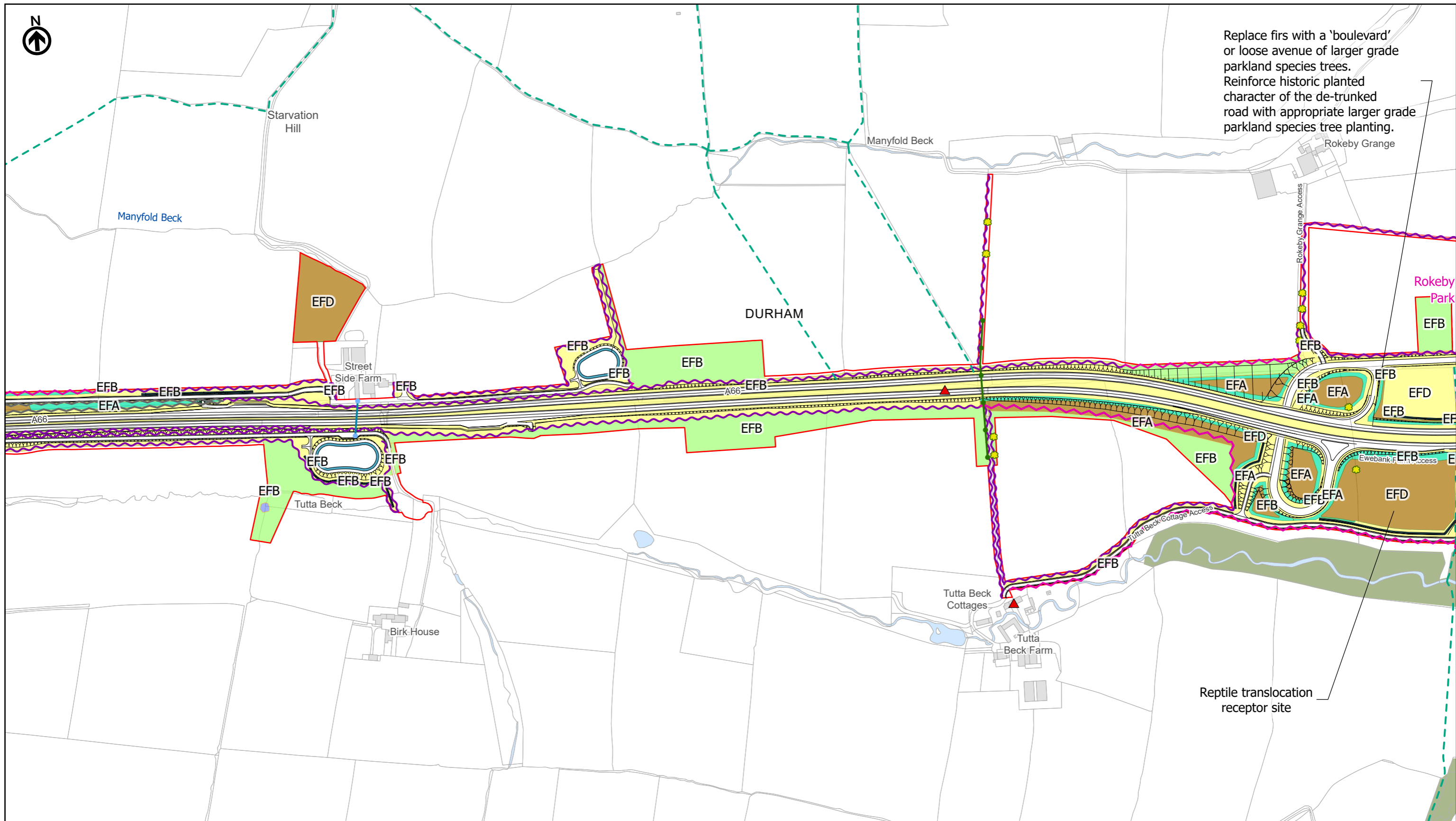
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Scale @ A3: 1:5,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.6</b>			
Environmental Mitigation			
Scheme: 08, Cross Lanes to Rokeby			
Sheet 1 of 3			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EGN
S00	-	MP	- LX - 200024
Location	Type	Role	Revision
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		P02



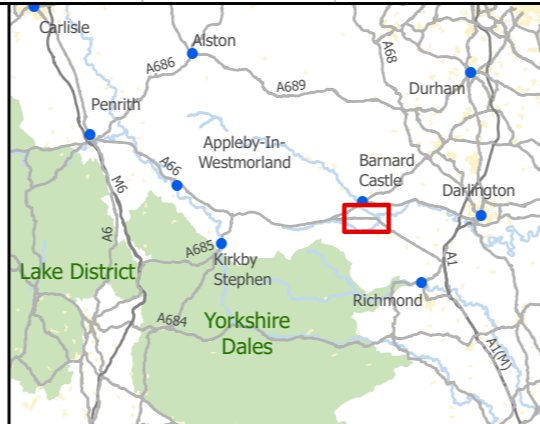
Replace firs with a 'boulevard' or loose avenue of larger grade parkland species trees. Reinforce historic planted character of the de-trunked road with appropriate larger grade parkland species tree planting.

Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

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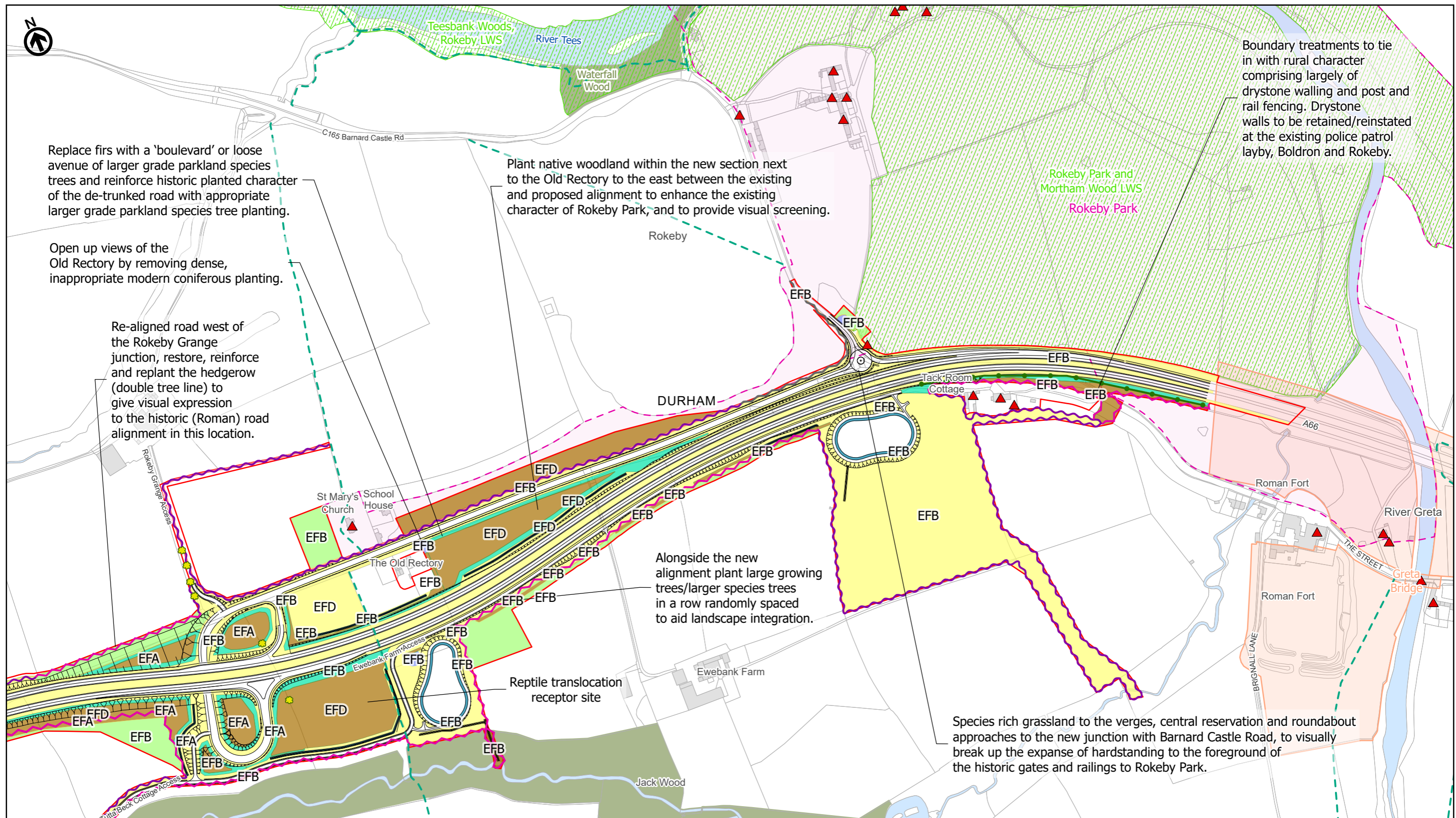
P02	First Issue				
	LPAG	LHAN	AWAR	AMIT	KWHA
	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Metres

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.6 Environmental Mitigation Scheme: 08, Cross Lanes to Rokeby Sheet 2 of 3</b>			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200025
Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>	Revision P02	



Replace firs with a 'boulevard' or loose avenue of larger grade parkland species trees and reinforce historic planted character of the de-trunked road with appropriate larger grade parkland species tree planting.

Open up views of the Old Rectory by removing dense, inappropriate modern coniferous planting.

Re-aligned road west of the Rokeby Grange junction, restore, reinforce and replant the hedgerow (double tree line) to give visual expression to the historic (Roman) road alignment in this location.

Plant native woodland within the new section next to the Old Rectory to the east between the existing and proposed alignment to enhance the existing character of Rokeby Park, and to provide visual screening.

Boundary treatments to tie in with rural character comprising largely of drystone walling and post and rail fencing. Drystone walls to be retained/reinstated at the existing police patrol layby, Boldron and Rokeby.

Alongside the new alignment plant large growing trees/larger species trees in a row randomly spaced to aid landscape integration.

Species rich grassland to the verges, central reservation and roundabout approaches to the new junction with Barnard Castle Road, to visually break up the expanse of hardstanding to the foreground of the historic gates and railings to Rokeby Park.

Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

Notes:

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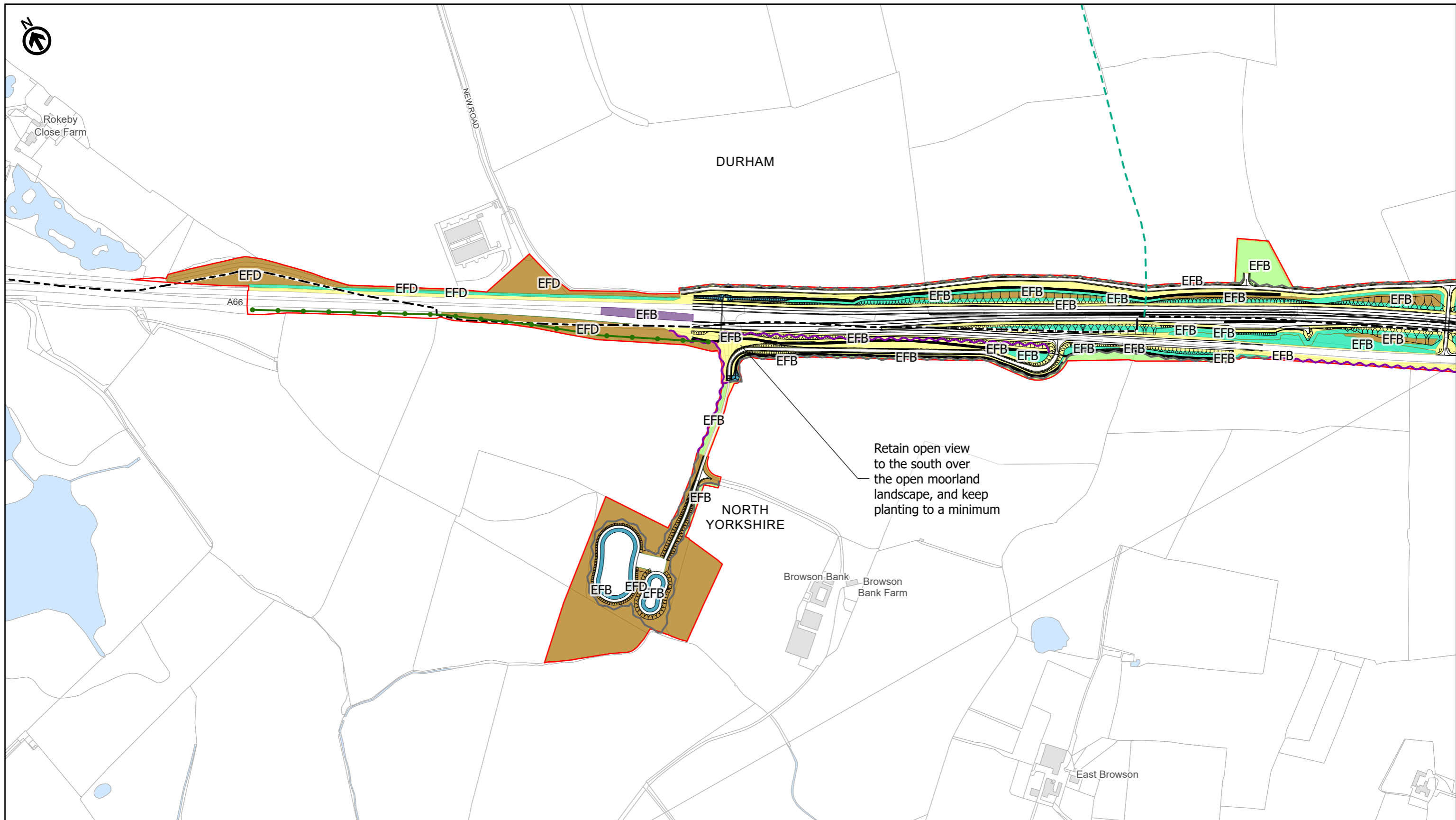
P02	First Issue	LPAG	LHAN	AWAR	AMIT	KWHA
		07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.6</b>			
Environmental Mitigation <b>Scheme: 08, Cross Lanes to Rokeby</b>			
Sheet 3 of 3			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200026
Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision P02

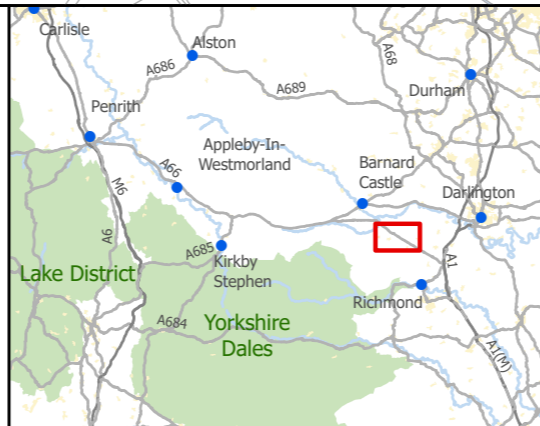


Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

**Notes:**

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P02	First Issue				
	LPAG	LHAN	AWAR	AMIT	KWHA
	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

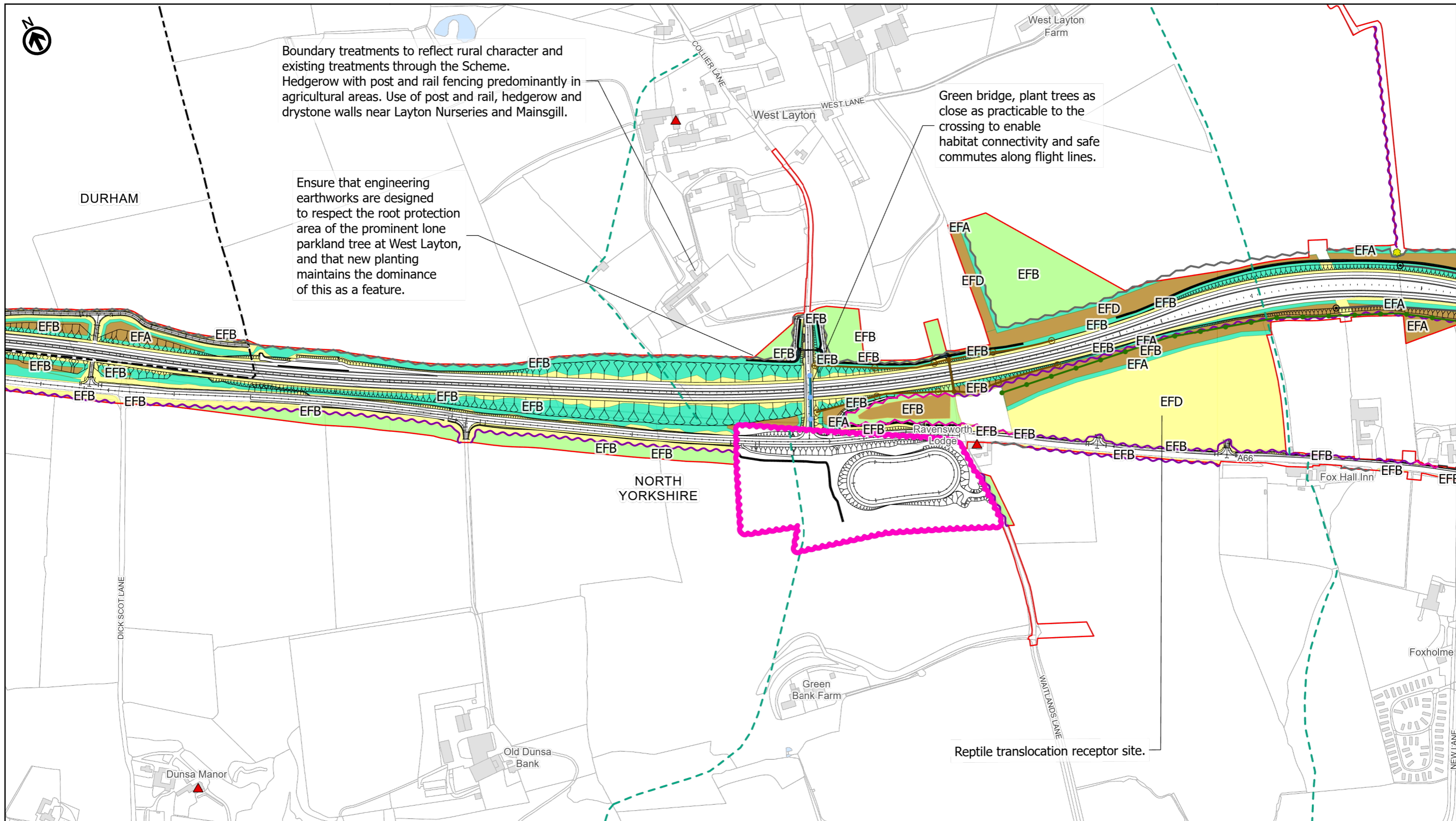
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.7</b>			
Environmental Mitigation <b>Scheme: 09, Stephen Bank to Carkin Moor</b>			
Sheet 1 of 4			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200027
Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision P02



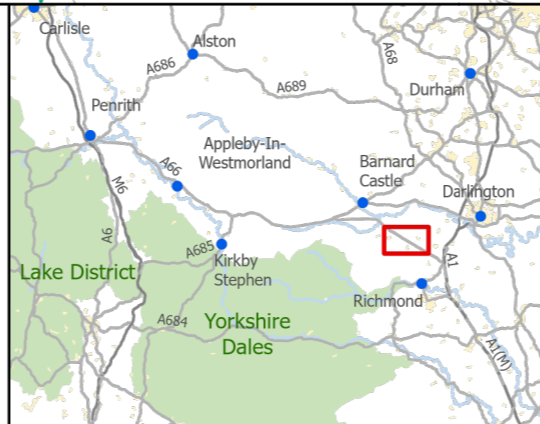
Environmental Function Code

EFA Visual screening	7
EFB Landscape integration	8
EFD Nature conservation and biodiversity	9
EFE Visual amenity	10

**Notes:**

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As a result of the procedural decision of the Examining Authority dated 18 April 2023 (PD-014), 22 design changes were accepted into the Examination which alter the original designs submitted for the DCO application. The pink 'bubble' denotes where within the Order limits, as a result of those design changes, the original illustrative environmental mitigation design (as submitted as part of the DCO application in June 2022) is no longer valid. An illustrative environmental mitigation design is not yet available for these areas, although they are required by the Project to provide environmental mitigation and for other purposes. As with all of the land within the Order limits, the detailed environmental mitigation design will be confirmed during the detailed design process in full compliance with the obligations contained in the EMP and PDP.



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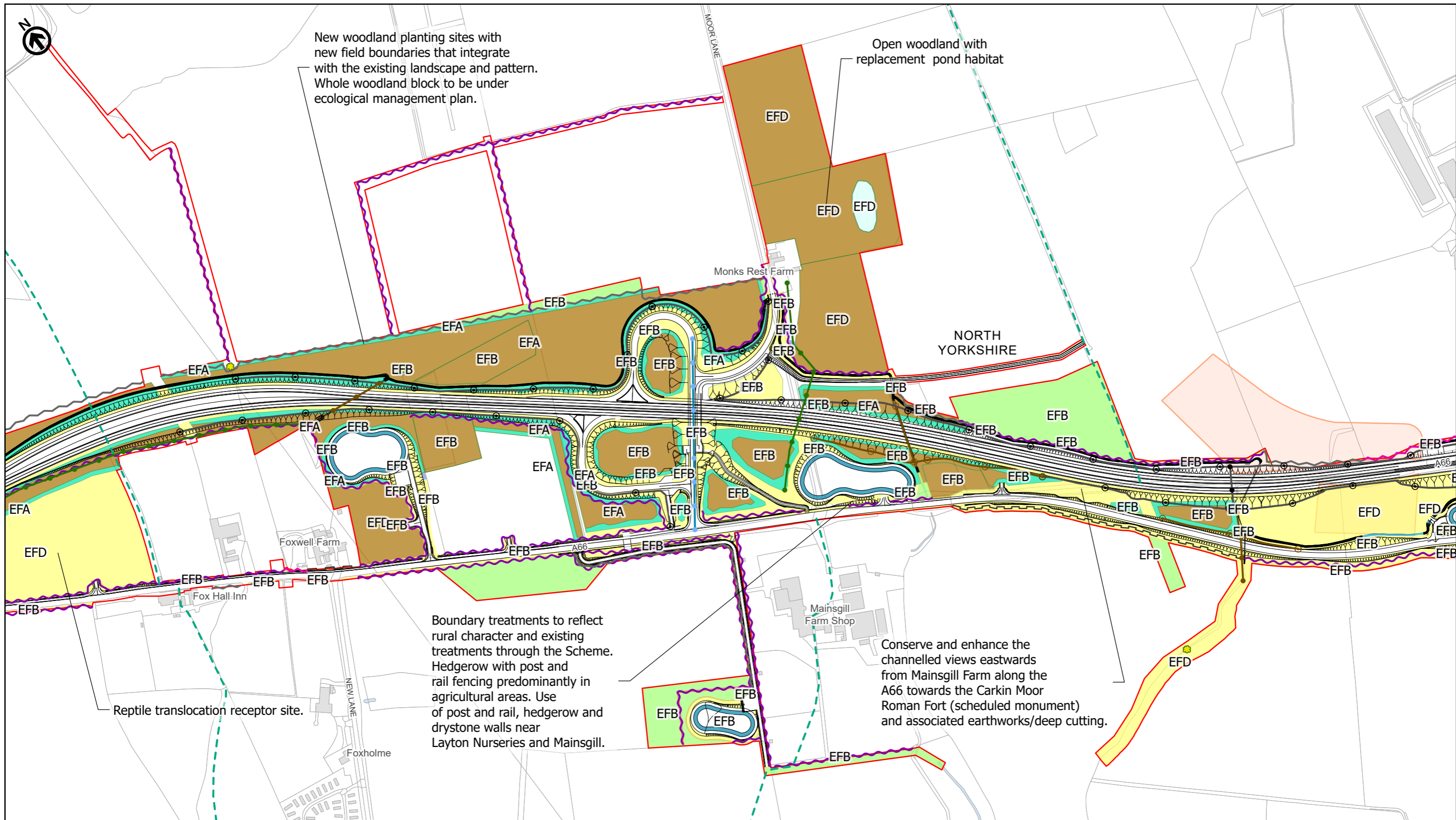
P03	Second Issue: Revised Order Limits and Mitigation				
	LPAG	PKEL	AWAR	AMIT	KWHA
Revision	Created	Checked	Reviewed	Approved	Authorised
	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23

Metres

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.7</b>			
Environmental Mitigation Scheme: 09, Stephen Bank to Carkin Moor Sheet 2 of 4			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00 Location	MP - LX - 200028	Type   Role   Number	
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL	Revision P03	

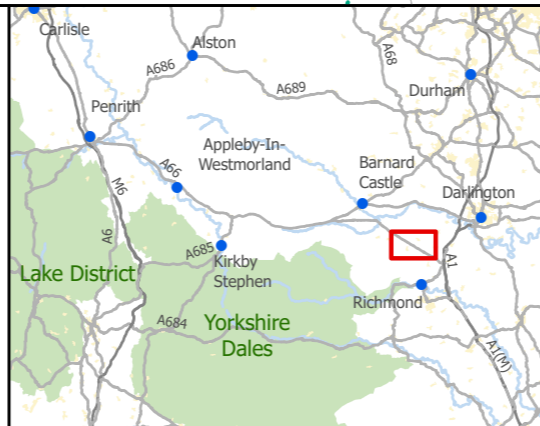


Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

Notes:

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P02	First Issue	LPAG	LHAN	AWAR	AMIT	KWHA
		07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

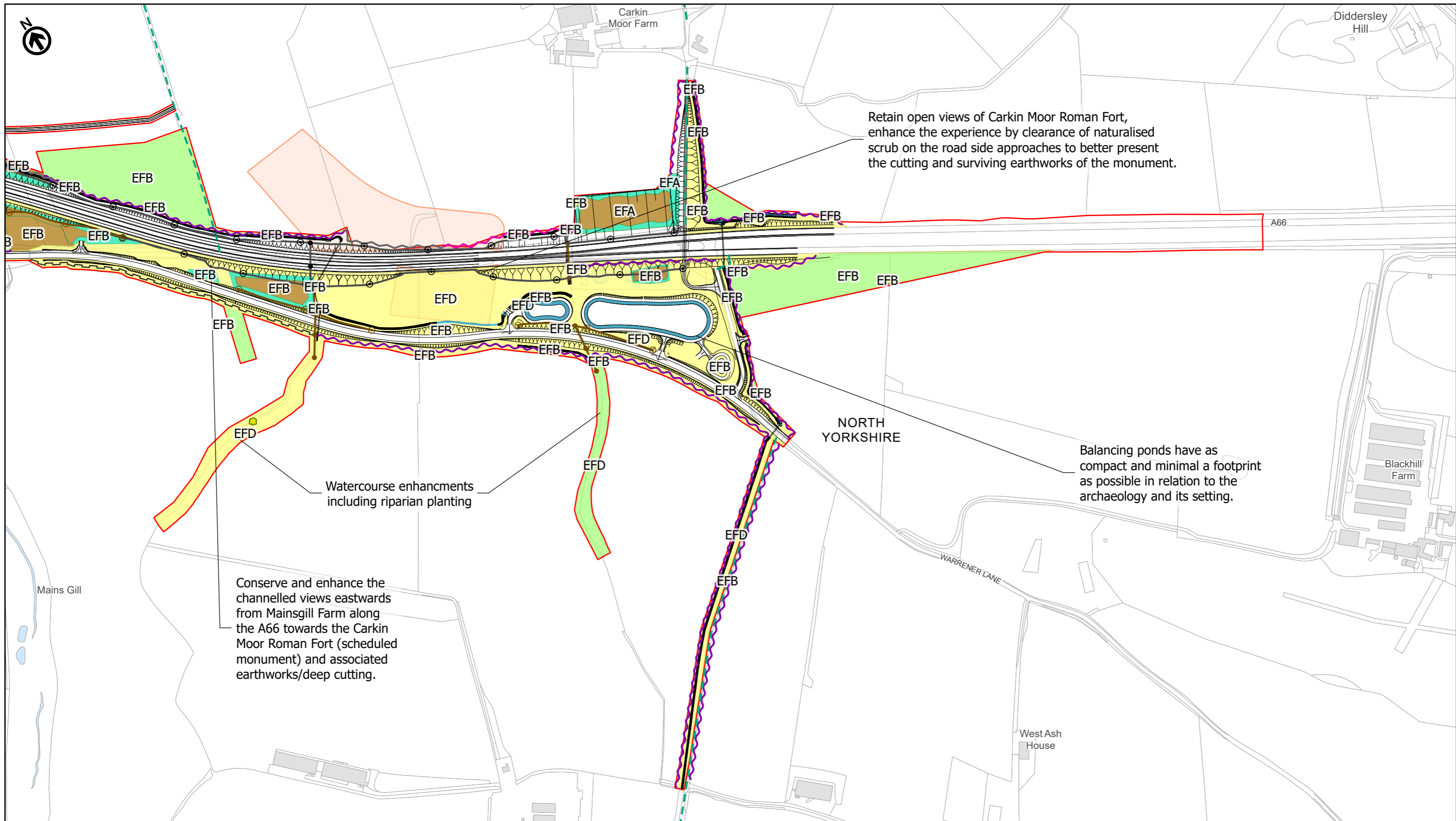
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.7</b>			
Environmental Mitigation			
Scheme: 09, Stephen Bank to Carkin Moor			
Sheet 3 of 4			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EGN
S00	-	MP	- LX - 200029
Location	Type	Role	Number
Suitability	Suitability Description		Revision
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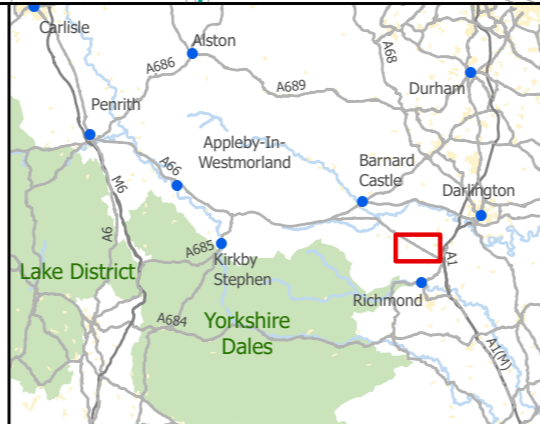


Environmental Function Code

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

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P02	First Issue				
	LPAG	LHAN	AWAR	AMIT	KWHA
	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

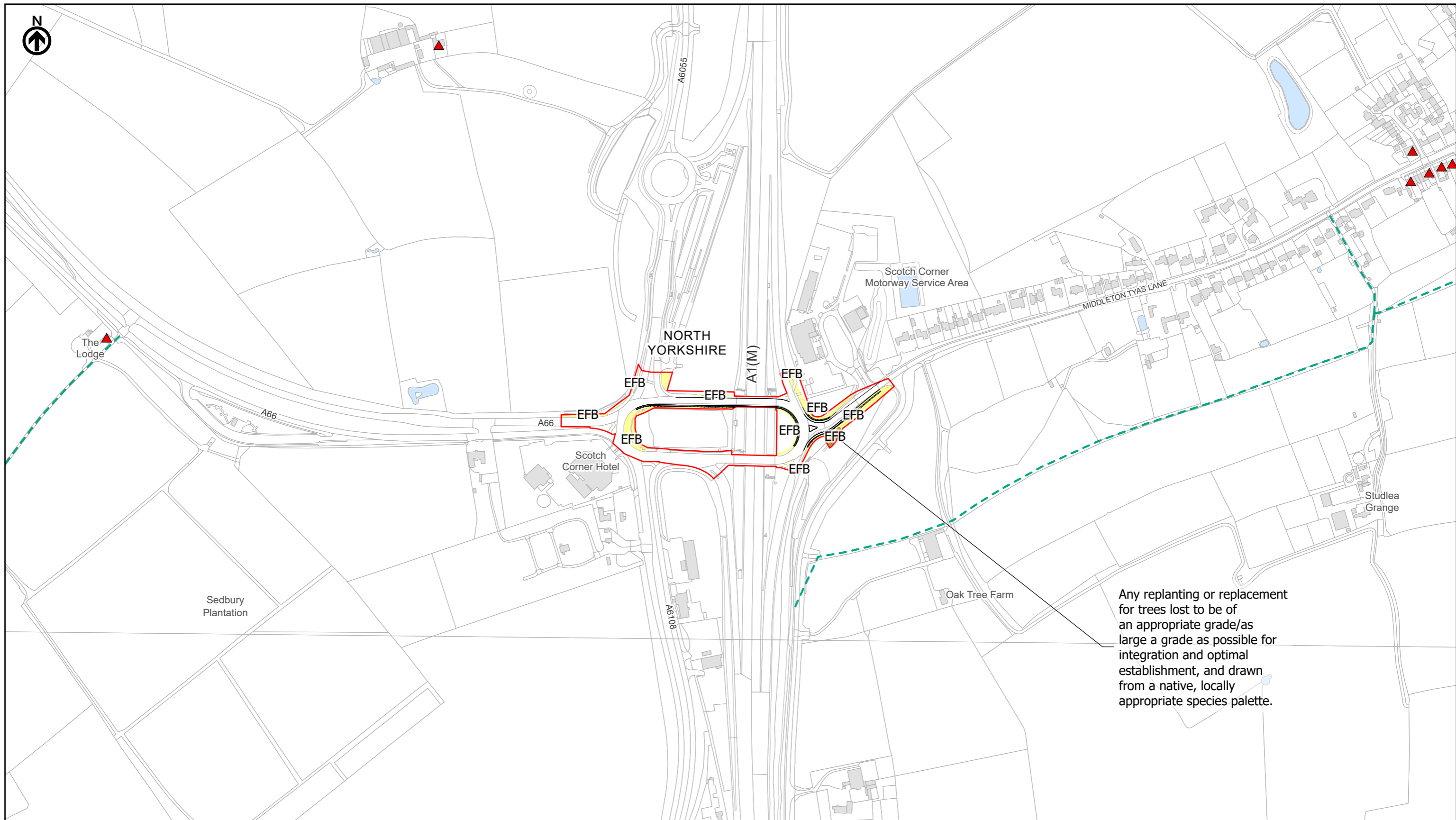
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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.7</b>			
Environmental Mitigation Scheme: 09, Stephen Bank to Carkin Moor Sheet 4 of 4			
Map Number Project	Originator	Volume	
HE565627	AMY	EGN	
S00	MP	LX	200030
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P02



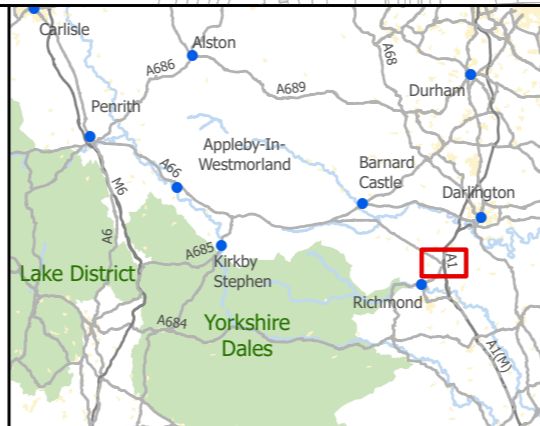
Any replanting or replacement for trees lost to be of an appropriate grade/as large a grade as possible for integration and optimal establishment, and drawn from a native, locally appropriate species palette.

Environmental Function Code	Notes:
EFA Visual screening <sup>7</sup>	1. The design of the project and the location of the mitigation measures shown demonstrate how the environmental mitigation can be incorporated into the detailed design of the project within the parameters of the development consent sought and in compliance with the provisions of the development consent order, in particular, the provisions of the Environmental Management Plan (Application Document 2.7) and the Project Design Principles (Application Document 5.11).
EFB Landscape integration <sup>8</sup>	2. All dimensions are approximate and in metres unless noted otherwise.
EFD Nature conservation and biodiversity <sup>9</sup>	3. To be read in conjunction with the Project Design Principles (Application Document 5.11) and Environmental Management Plan (Application Document 2.7).
EFE Visual amenity <sup>10</sup>	

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P02	First Issue				
	LPAG	LHAN	AWAR	AMIT	KWHA
	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Metres

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Project Name <b>A66 Northern Trans-Pennine Project</b>			
Map Title <b>Figure 2.8.8</b>			
Environmental Mitigation <b>Scheme: 11, A1(M) Junction 53 Scotch Corner</b>			
Sheet 1 of 1			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP	LX
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



**Existing Feature**

- Local Authority Boundary
- Existing Public Right of Way

**Proposed Mitigation**

- Order Limits
- Individual tree planting
- Individual tree for retention
- Drain
- Public Right of Way
- Noise barrier
- Dry stone wall
- Fence (post and rail)
- Fence (stock proof)
- Engineered wall
- Hedgerow
- Hedgerow (with post and rail fence)

**Protected Species Crossings and Fencing**

- Badger Fencing
- Badger Crossing <sup>1</sup>
- Bat Fencing
- Bat Crossing <sup>2</sup>
- Barn Owl Crossing <sup>3</sup>
- Otter Fencing
- Otter Crossing <sup>4</sup>
- Red Squirrel Crossing <sup>5</sup>

**Mitigation**

- LE1.3 Species rich (or conservation) grassland
- LE1.5 Heath and moorland
- LE1.6 Open grassland <sup>6</sup>
- LE2.1 Woodland <sup>11</sup>
- LE2.2 Woodland edge <sup>11</sup>
- LE2.4 Linear belts of shrubs and trees
- LE2.7 Scattered trees
- LE2.8 Scrub
- LE3.1 Amenity tree and shrub planting
- LE5.1 Individual trees
- LE6.1 Water bodies and associated plants
- LE6.4 Marsh and wet grassland

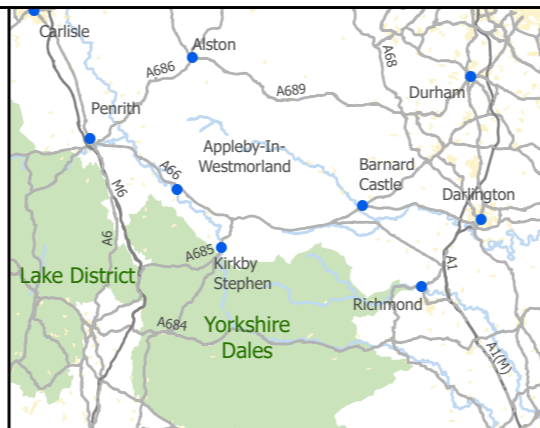
**Environmental Function Code \***

- EFA Visual screening <sup>7</sup>
- EFB Landscape integration <sup>8</sup>
- EFD Nature conservation and biodiversity <sup>9</sup>
- EFE Visual amenity <sup>10</sup>

**Environmental Designations**

- Listed Building
- Registered Park and Garden
- Scheduled Monument
- Local Wildlife Site (LWS)
- County Wildlife Site (CWS)
- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)
- Special Area of Conservation (SAC)
- Conservation Area
- Ancient Woodland
- Area of Outstanding Natural Beauty (AONB)

Note:  
<sup>1</sup> Dry pipe crossing.  
<sup>2</sup> Green overbridge or culvert or planting/fencing at least 3m high either side of carriageway at edge of highway verge (or closer if supported by safety assessment).  
<sup>3</sup> Obstacle planting at least 3m high either side of carriageway along the length as indicated.  
<sup>4</sup> Culvert with ledge or dry pipe crossing.  
<sup>5</sup> Rope bridge or underpass.  
<sup>6</sup> Agricultural seeded grassland with intention for potential return to landowner by agreement.  
<sup>\*</sup> Environmental Function Codes and Landscape Element Codes are in accordance with DRMB LD 117 Landscape Design.  
<sup>7</sup> Mitigation has been provided to screen views to / from visual receptors of the proposed development.  
<sup>8</sup> Mitigation shown is designed to aid the proposed development into the existing landscape and fit with the current landscape features / character.  
<sup>9</sup> Subject to prescriptive Ecological Management Plan (Application Document 2.7 Appendix b) and monitoring of up to 30 years. Potential to return these areas to landowner by agreement.  
<sup>10</sup> Overall pleasantness of the views people enjoy of their surroundings.  
<sup>11</sup> Woodland / Woodland edge planting to be cognisant of need for future inspections with regard detailed planting design and density.



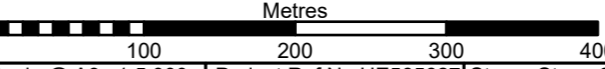
3 Piccadilly Place  
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Project Name  
**A66 Northern Trans-Pennine Project**

Map Title  
**Figure 2.8**

**Environmental Mitigation Legend Sheet**

P02	First Issue				
	LPAG	LHAN	AWAR	AMIT	KWHA
	07/06/22	07/06/22	08/06/22	09/06/22	09/06/22
Revision	Created	Checked	Reviewed	Approved	Authorised



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Map Number	Project	Originator	Volume
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S00	-	MP - LX	- 200032
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P02