

A66 Northern Trans-Pennine project

TR010062

7.20 National Vegetation Classification Survey Report Figures 1 – 15

Infrastructure Planning (Examination Procedure) Rules 2010

Deadline 3

Planning Act 2008

24 January 2023

Infrastructure Planning

Planning Act 2008

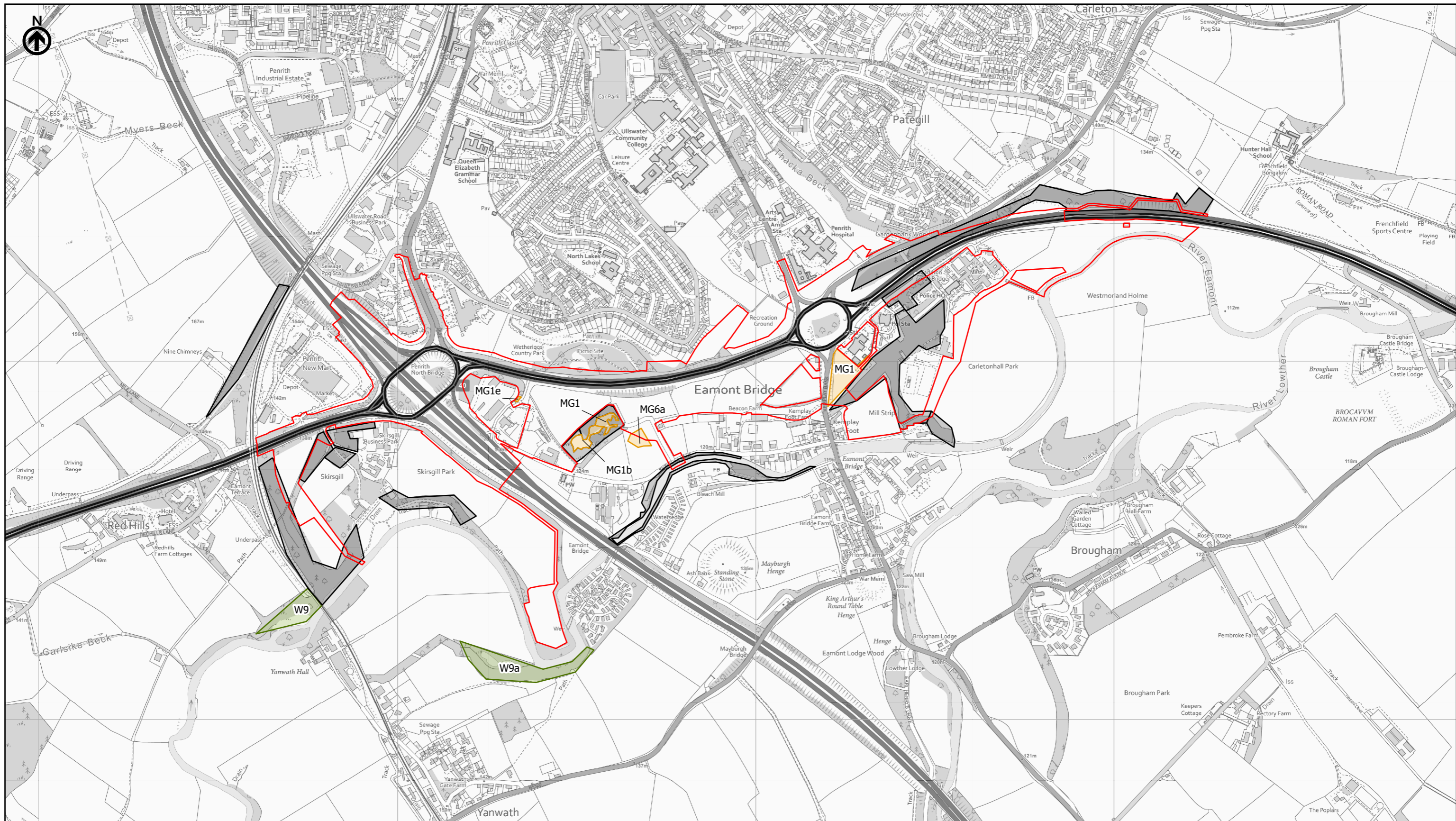
**The Infrastructure Planning
(Examination Procedure)
Rules 2010**

A66 Northern Trans-Pennine project
Development Consent Order 202x

**7.20 NATIONAL VEGETATION CLASSIFICATION SURVEY
REPORT FIGURES 1 – 15**

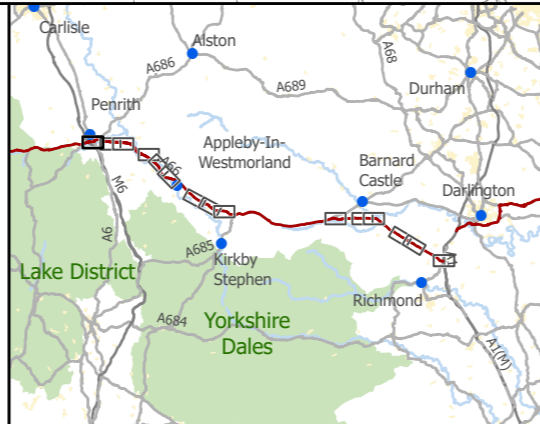
Deadline:	Deadline 3
Planning Inspectorate Scheme Reference	TR010062
Application Document Reference	NH/EX/7.20
Author:	A66 Northern Trans-Pennine project, Project Team, National Highways

Version	Date	Status of Version
Rev 1	24 January 2023	Deadline 3



- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- Mesotrophic Grassland
- No Recognisable NVC Community
- Woodland and Scrub

- NVC Community Description
- MG6 - Lolium perenne-Cynosurus cristatus grassland
 - MG1 - Arrhenatherum elatius grassland
 - W9 - Fraxinus excelsior-Sorbus aucuparia-Mercurialis perennis woodland



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P01	First Issue				
	KBIG	PKEL	AHAL	AWAR	KWHA
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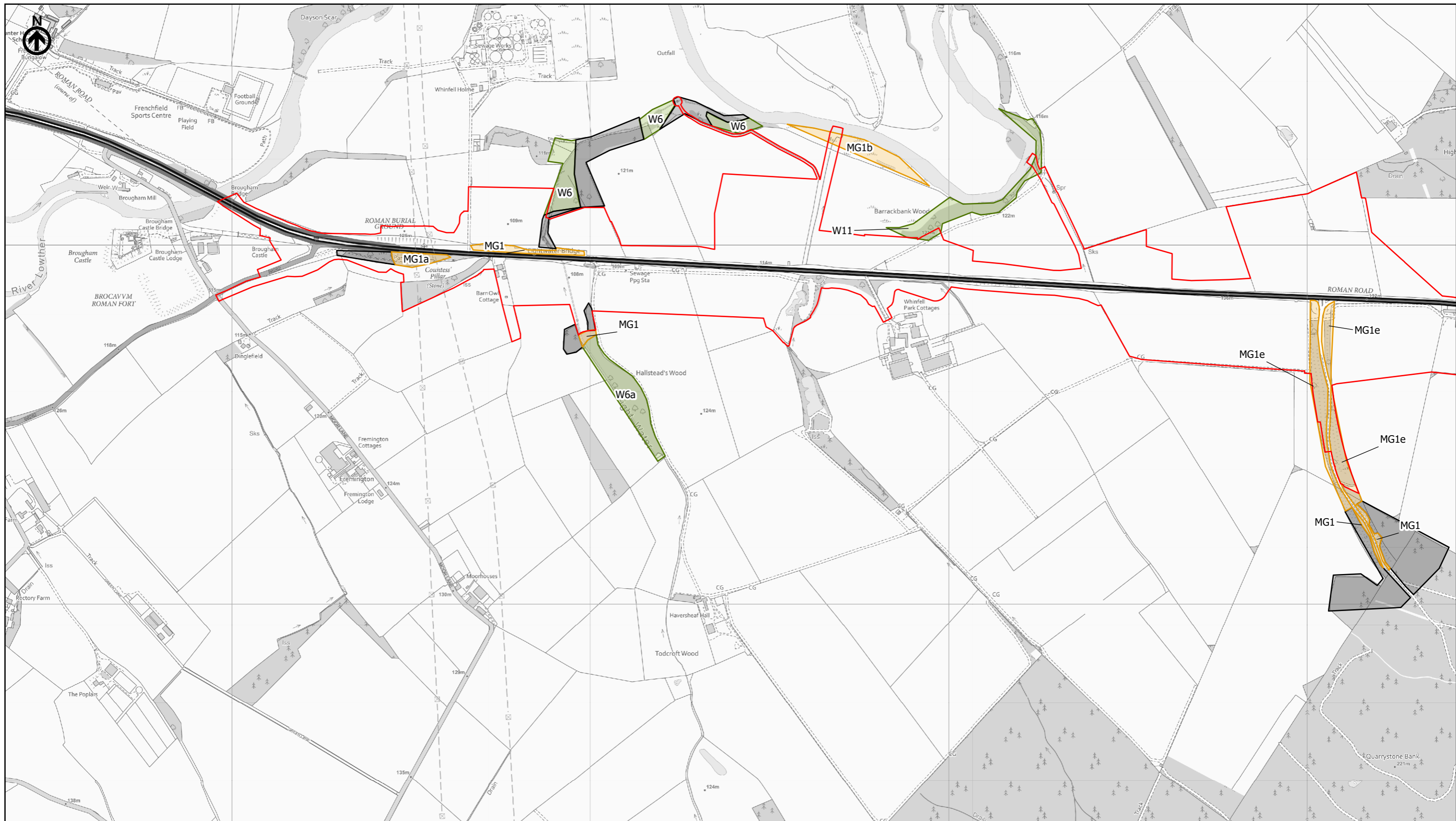
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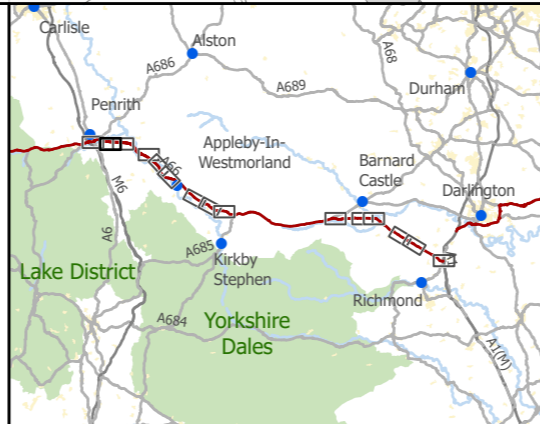
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Map Title NVC Figure 1			
Scheme: 0102, M6 Junction 40 to Kemplay Bank			
Map Number Project	Originator	Volume	
HE565627	AMY	EBD	
S00	MP	LB	003615
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01

* Main NVC habitat codes are shown as labels



- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- Mesotrophic Grassland
- No Recognisable NVC Community
- Woodland and Scrub

- NVC Community Description
- MG1 - Arrhenatherum elatius grassland
 - W11 - Quercus petraea-Betula pubescens-Oxalis acetosella woodland
 - W6 - Alnus glutinosa-Urtica dioica woodland



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Project Name
A66 Northern Trans-Pennine Project

Map Title
NVC Figure 2

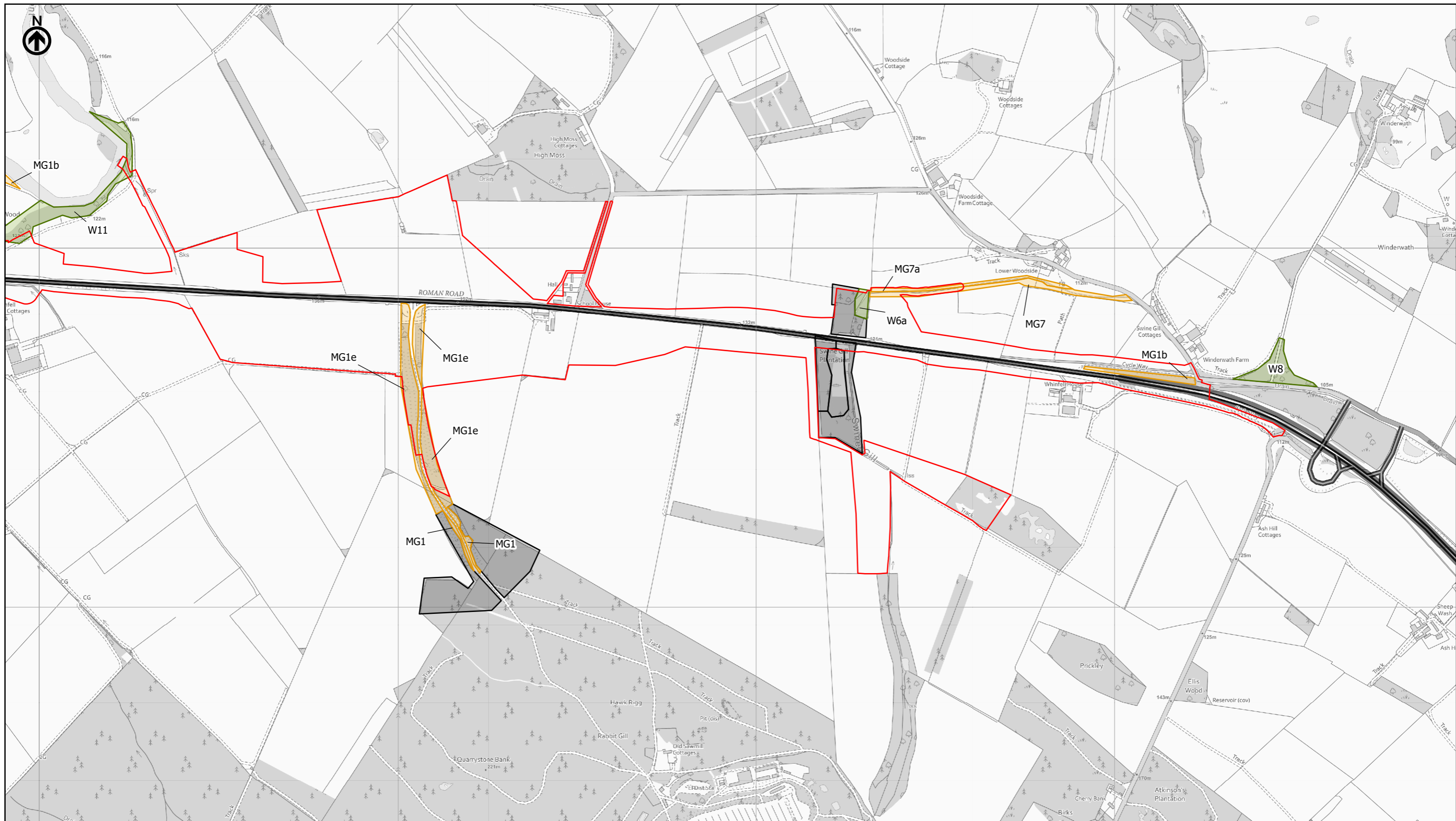
National Vegetation Classification (NVC) Survey
Scheme: 03, Penrith to Temple Sowerby

P01	First Issue				
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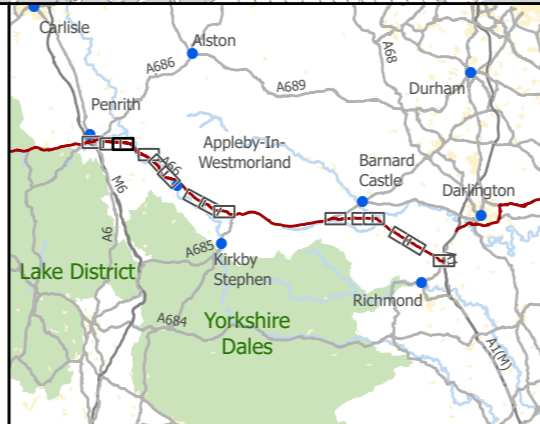
Map Number Project	Originator	Volume
HE565627	AMY	EBD
S00	MP	LB
Location	Type	Role
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL	Revision P01

* Main NVC habitat codes are shown as labels



Existing A66
 Order Limits
 National Vegetation Classification (NVC)*
 Mesotrophic Grassland
 No Recognisable NVC Community
 Woodland and Scrub

NVC Community Description
 MG7 - Lolium perenne leys and related grasslands
 MG1 - Arrhenatherum elatius grassland
 W11 - Quercus petraea-Betula pubescens-Oxalis acetosella woodland
 W8 - Fraxinus excelsior-Acer campestre-Mercurialis perennis woodland
 W6 - Alnus glutinosa-Urtica dioica woodland



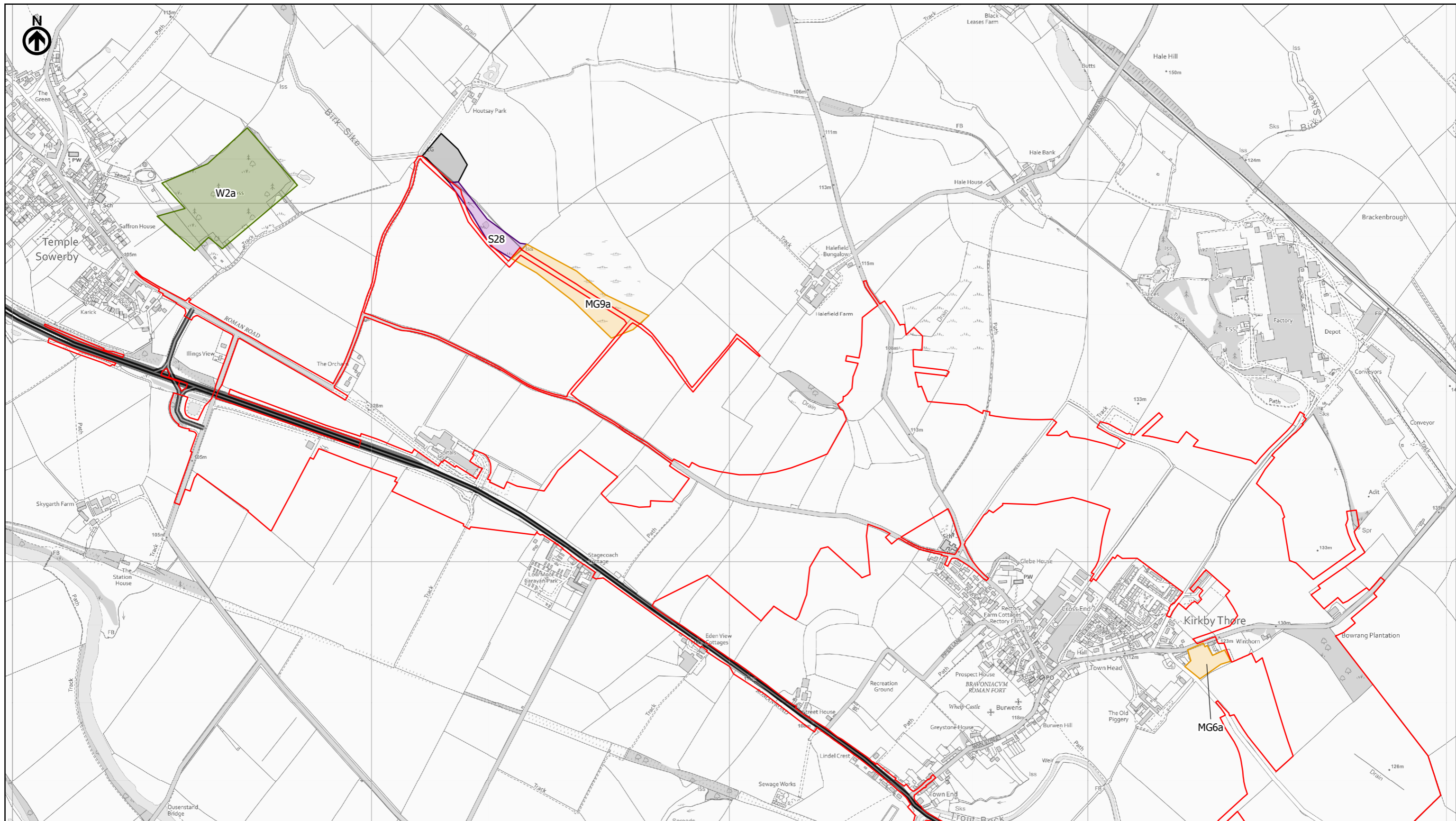
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P01	First Issue				
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Project Name A66 Northern Trans-Pennine Project			
Map Title NVC Figure 3			
Scheme: 03, Penrith to Temple Sowerby			
Map Number Project	Originator	Volume	
HE565627	AMY	EBD	
S00	MP	LB	003618
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01

* Main NVC habitat codes are shown as labels



- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- Swamps and Tall-herb Fens
- Mesotrophic Grassland
- No Recognisable NVC Community
- Woodland and Scrub

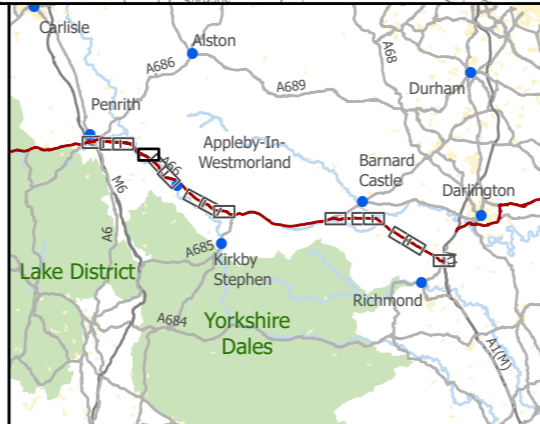
NVC Community Description

S28 - *Phalaris arundinacea* tall-herb fen

MG9 - *Holcus lanatus*-*Deschampsia cespitosa* grassland

MG6 - *Lolium perenne*-*Cynosurus cristatus* grassland

W2 - *Salix cinerea*-*Betula pubescens*-*Phragmites australis* woodland



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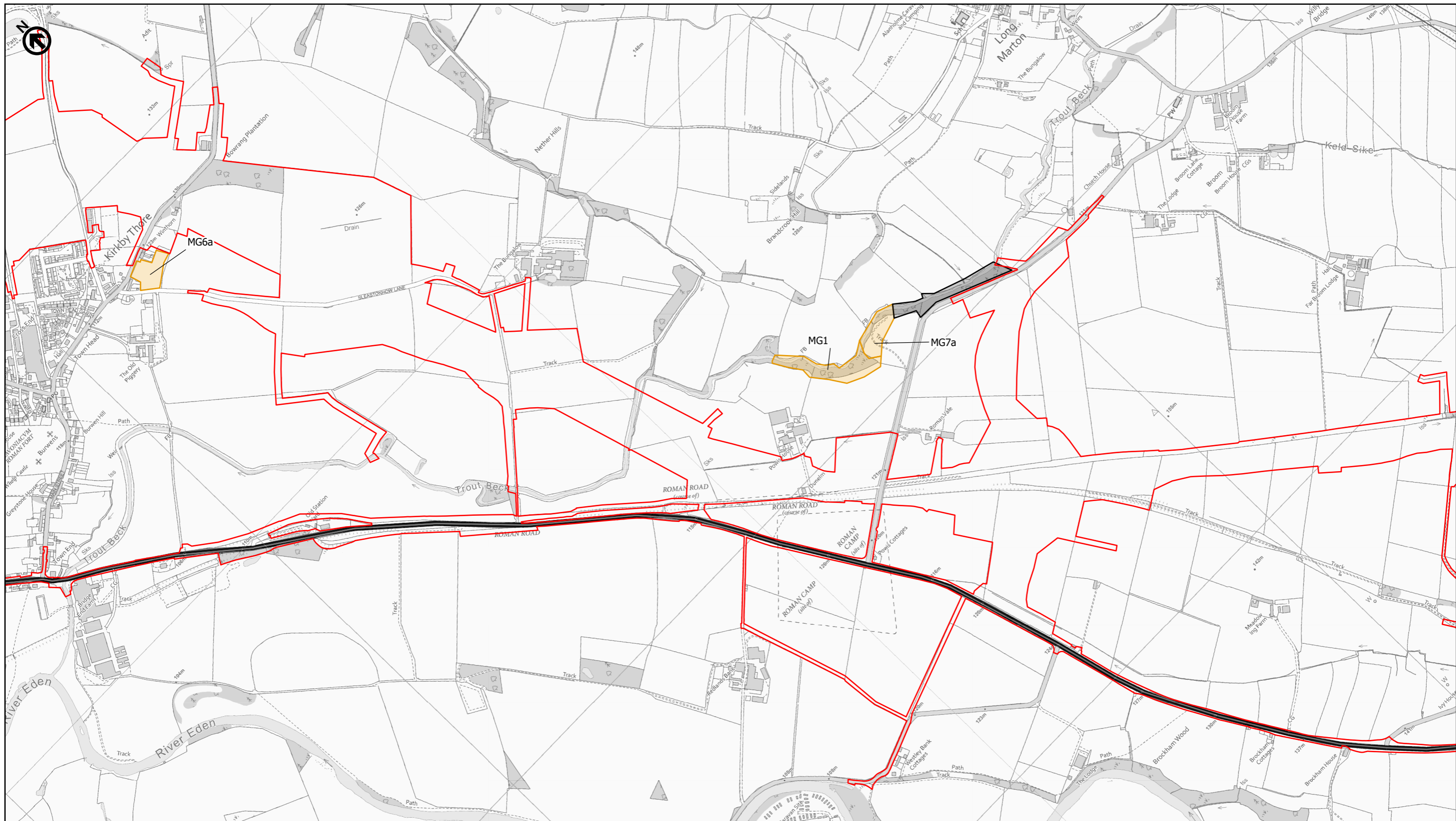
Kilometres

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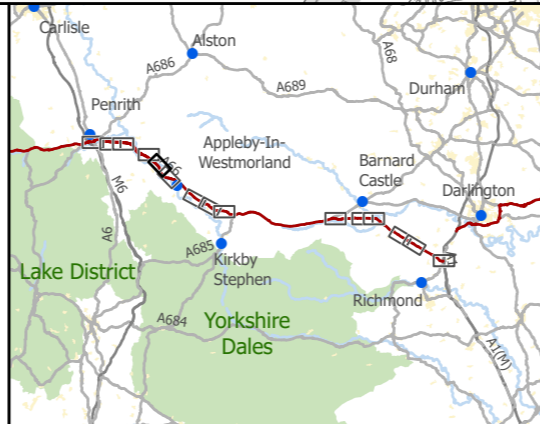
Project Name A66 Northern Trans-Pennine Project			
Map Title NVC Figure 4			
National Vegetation Classification (NVC) Survey Scheme: 0405, Temple Sowerby to Appleby			
Map Number Project	Originator	Volume	
HE565627	AMY	EBD	
S00	MP	LB	003619
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01


* Main NVC habitat codes are shown as labels



- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- Mesotrophic Grassland
- No Recognisable NVC Community

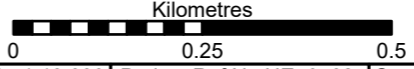
- NVC Community Description
- MG7 - Lolium perenne leys and related grasslands
 - MG6 - Lolium perenne-Cynosurus cristatus grassland
 - MG1 - Arrhenatherum elatius grassland





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Project Name A66 Northern Trans-Pennine Project			
Map Title NVC Figure 5 National Vegetation Classification (NVC) Survey Scheme: 0405, Temple Sowerby to Appleby			
Map Number Project	Originator	Volume	
HE565627	AMY	EBD	
S00		MP	LB
Location		Type	Role
S4		FIT FOR STAGE APPROVAL	
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01

* Main NVC habitat codes are shown as labels



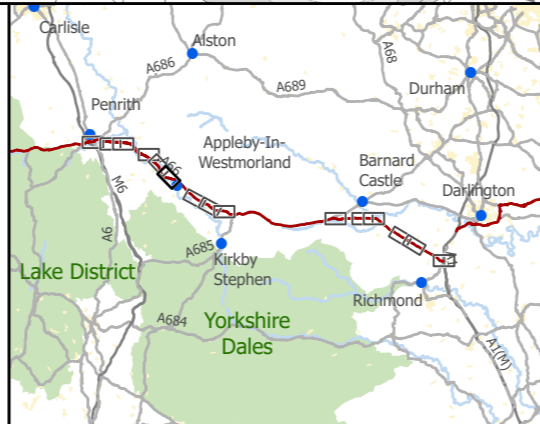
- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- No Recognisable NVC Community
- Woodland and Scrub

NVC Community Description

W8 - Fraxinus excelsior-Acer campestre-Mercurialis perennis woodland

W8 - Fraxinus excelsior-Acer campestre-Mercurialis perennis woodland / W9 - Fraxinus excelsior-Sorbus aucuparia-Mercurialis perennis woodland

W10 - Quercus robur-Pteridium aquilinum-Rubus fruticosus woodland



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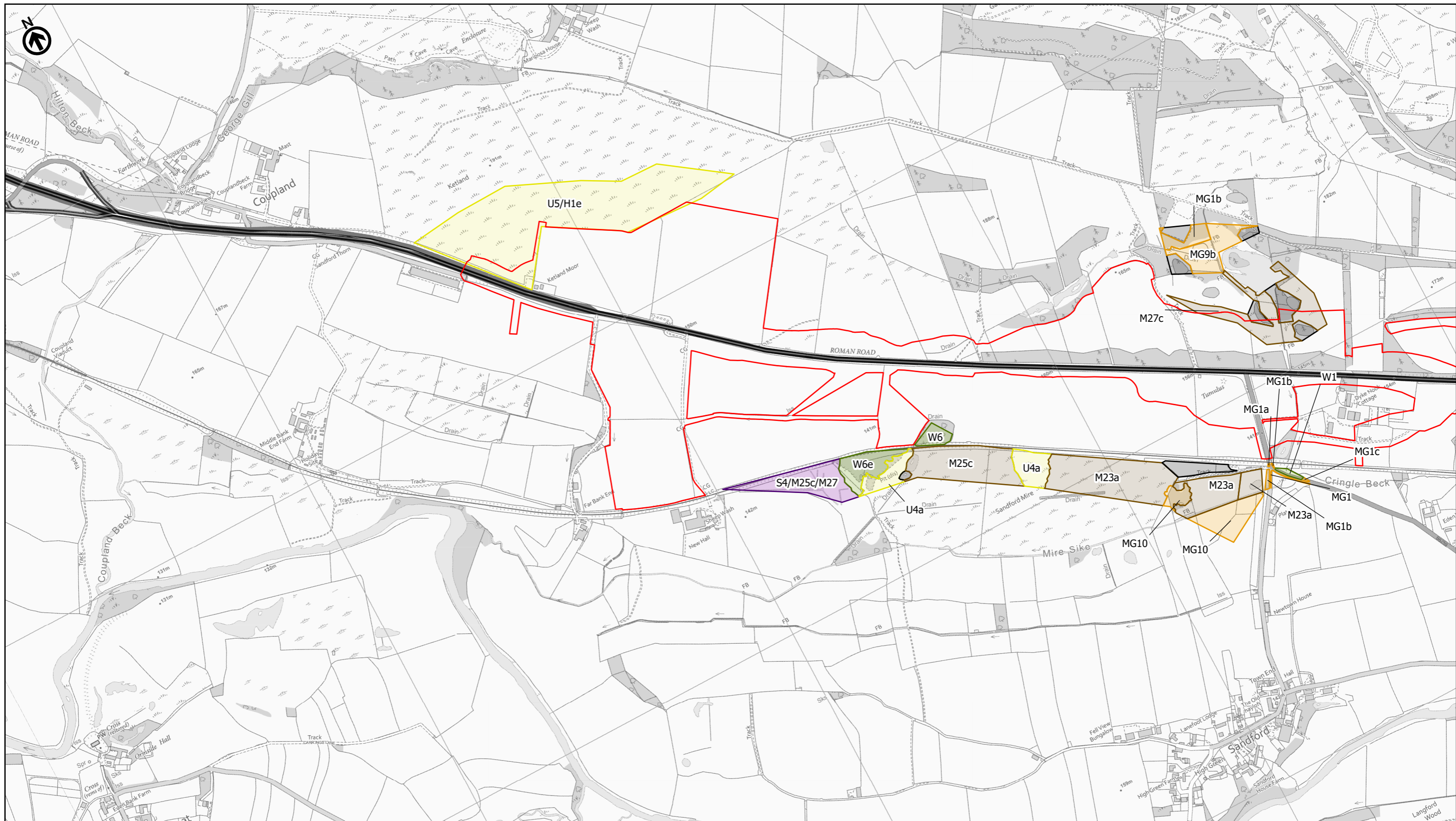
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Project Name A66 Northern Trans-Pennine Project			
Map Title NVC Figure 6			
National Vegetation Classification (NVC) Survey Scheme: 0405, Temple Sowerby to Appleyby			
Map Number Project	Originator	Volume	
HE565627	AMY	EBD	
S00		MP	LB
Location		Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01

* Main NVC habitat codes are shown as labels



- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- Swamps and Tall-herb Fens
- Mire
- Mesotrophic Grassland
- No Recognisable NVC Community
- Calcifugous Grasslands and Montane Communities
- Woodland and Scrub

NVC Community Description

S4 - Phragmites australis swamp and reed-beds / M25 - Molinia caerulea-Potentilla erecta mire / M27 - Filipendula ulmaria-Angelica sylvestris mire

M27 - Filipendula ulmaria-Angelica sylvestris mire

M25 - Molinia caerulea-Potentilla erecta mire

M23 - Juncus effusus/acutiflorus-Galium palustre rush-pasture

MG10 - Holcus lanatus-Juncus effusus rush-pasture

MG9 - Holcus lanatus-Deschampsia cespitosa grassland

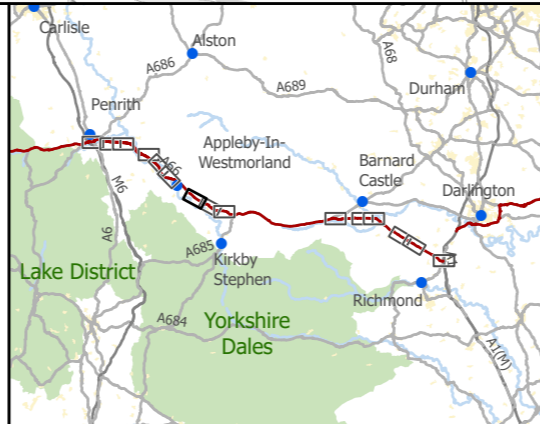
MG1 - Arrhenatherum elatius grassland

U5 - Nardus stricta-Galium saxatile grassland / H1 - Calluna vulgaris-Festuca ovina heath

U4 - Festuca ovina-Agrostis capillaris-Galium saxatile grassland

W1 - Salix cinerea-Galium palustre woodland

W6 - Alnus glutinosa-Urtica dioica woodland



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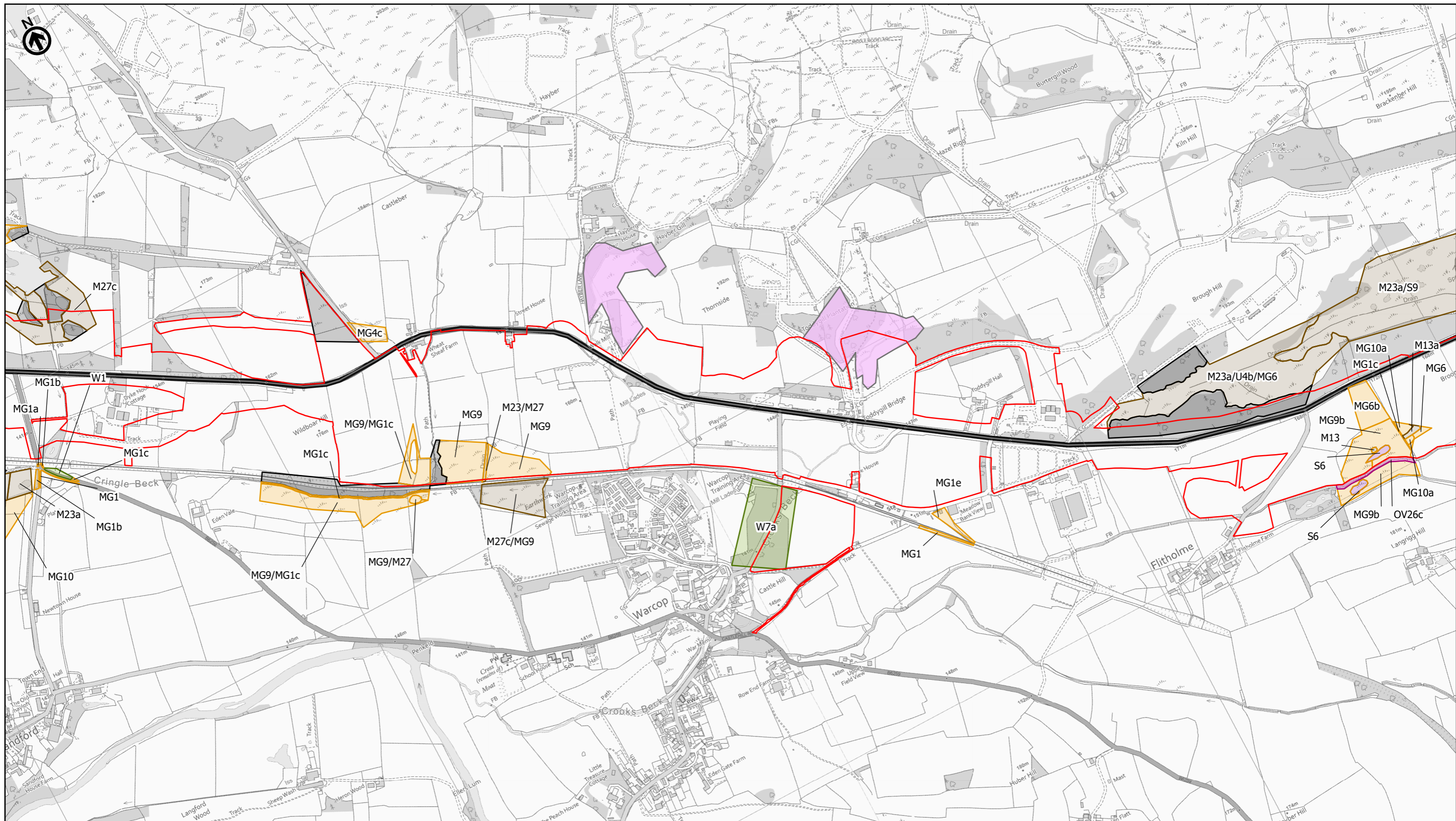
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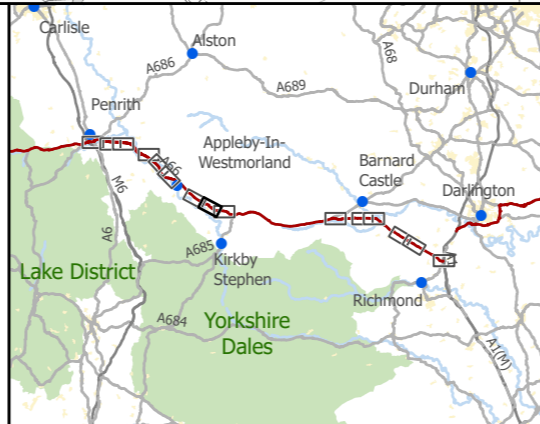
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Map Title NVC Figure 7 National Vegetation Classification (NVC) Survey Scheme: 06, Appleby to Brough			
Map Number Project	Originator	Volume	
HE565627	AMY	EBD	
Location		Type	Number
S00		MP - LB	003622
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01

* Main NVC habitat codes are shown as labels



- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- Swamps and Tall-herb Fens
- Mire
- Mesotrophic Grassland
- No Recognisable NVC Community
- Vegetation of Open Habitats
- Woodland and Scrub
- Not Surveyed - No Access

- NVC Community Description
- S6 - Carex riparia swamp
 - M27 - Filipendula ulmaria-Angelica sylvestris mire
 - M27 - Filipendula ulmaria-Angelica sylvestris mire / MG9 - Holcus lanatus-Deschampsia cespitosa grassland
 - M23 - Juncus effusus/acutiflorus-Galium palustre rush-pasture
 - M23 - Juncus effusus/acutiflorus-Galium palustre rush-pasture / M27 - Filipendula ulmaria-Angelica sylvestris mire
 - M23 - Juncus effusus/acutiflorus-Galium palustre rush-pasture / S9 - Carex rostrata swamp



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Project Name A66 Northern Trans-Pennine Project			
Map Title National Vegetation Classification (NVC) Survey			
Scheme: 06, Appleby to Brough			
Map Number HE565627	Originator AMY	Volume EBD	
S00	MP	LB	003623
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01

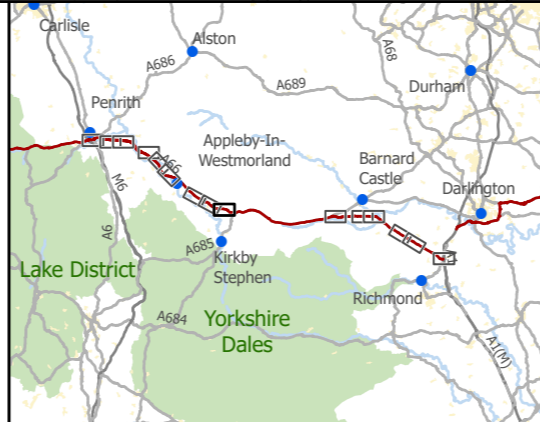
* Main NVC habitat codes are shown as labels



Existing A66
 Order Limits
 National Vegetation Classification (NVC)*
 Swamps and Tall-herb Fens
 Mire
 Mesotrophic Grassland
 No Recognisable NVC Community
 Vegetation of Open Habitats

NVC Community Description
 S6 - Carex riparia swamp
 M23 - Juncus effusus/acutiflorus-Galium palustre rush-pasture / S9 - Carex rostrata swamp
 M23 - Juncus effusus/acutiflorus-Galium palustre rush-pasture / U4 - Festuca ovina-Agrostis capillaris-Galium saxatile grassland / MG6 - Lolium perenne-Cynosurus cristatus grassland
 M13 - Schoenus nigricans-Juncus subnodulosus mire
 MG10 - Holcus lanatus-Juncus effusus rush-pasture

MG9 - Holcus lanatus-Deschampsia cespitosa grassland
 MG6 - Lolium perenne-Cynosurus cristatus grassland
 MG1 - Arrhenatherum elatius grassland
 OV26 - Epilobium hirsutum community



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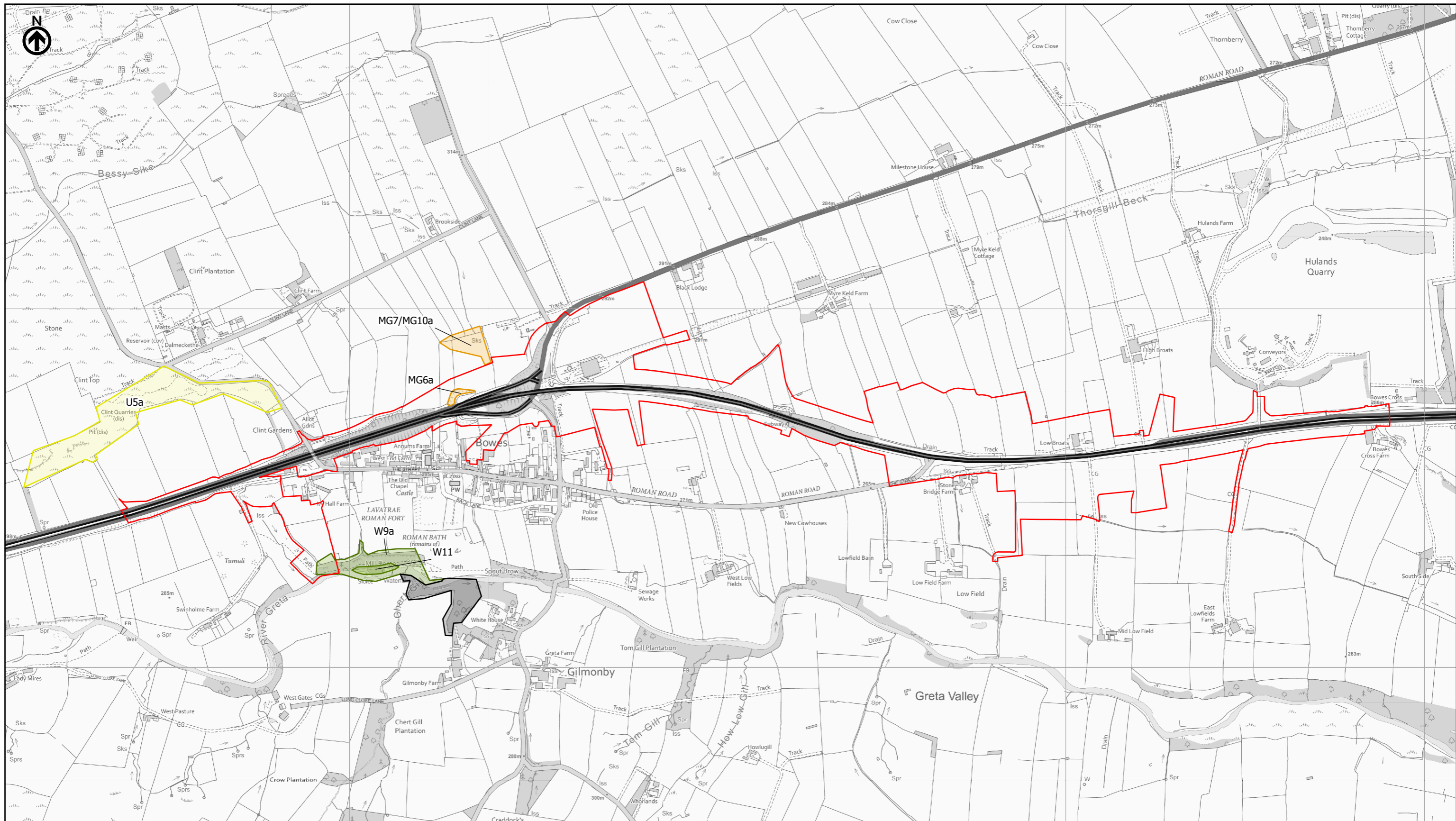
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Project Name A66 Northern Trans-Pennine Project			
Map Title NVC Figure 9 National Vegetation Classification (NVC) Survey Scheme: 06, Appleby to Brough			
Map Number Project	Originator	Volume	
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S00	MP	LB	003624
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01

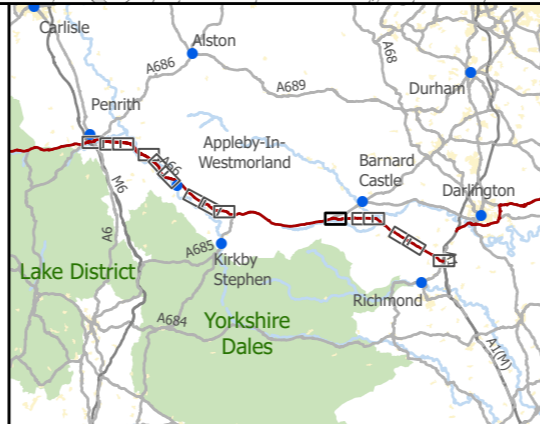
* Main NVC habitat codes are shown as labels



- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- Mesotrophic Grassland
- No Recognisable NVC Community
- Calcifugous Grasslands and Montane Communities
- Woodland and Scrub

NVC Community Description

MG7 - Lolium perenne leys and related grasslands / MG10 - Holcus lanatus-Juncus effusus rush-pasture
MG6 - Lolium perenne-Cynosurus cristatus grassland
U5 - Nardus stricta-Galium saxatile grassland
W11 - Quercus petraea-Betula pubescens-Oxalis acetosella woodland
W9 - Fraxinus excelsior-Sorbus aucuparia-Mercurialis perennis woodland



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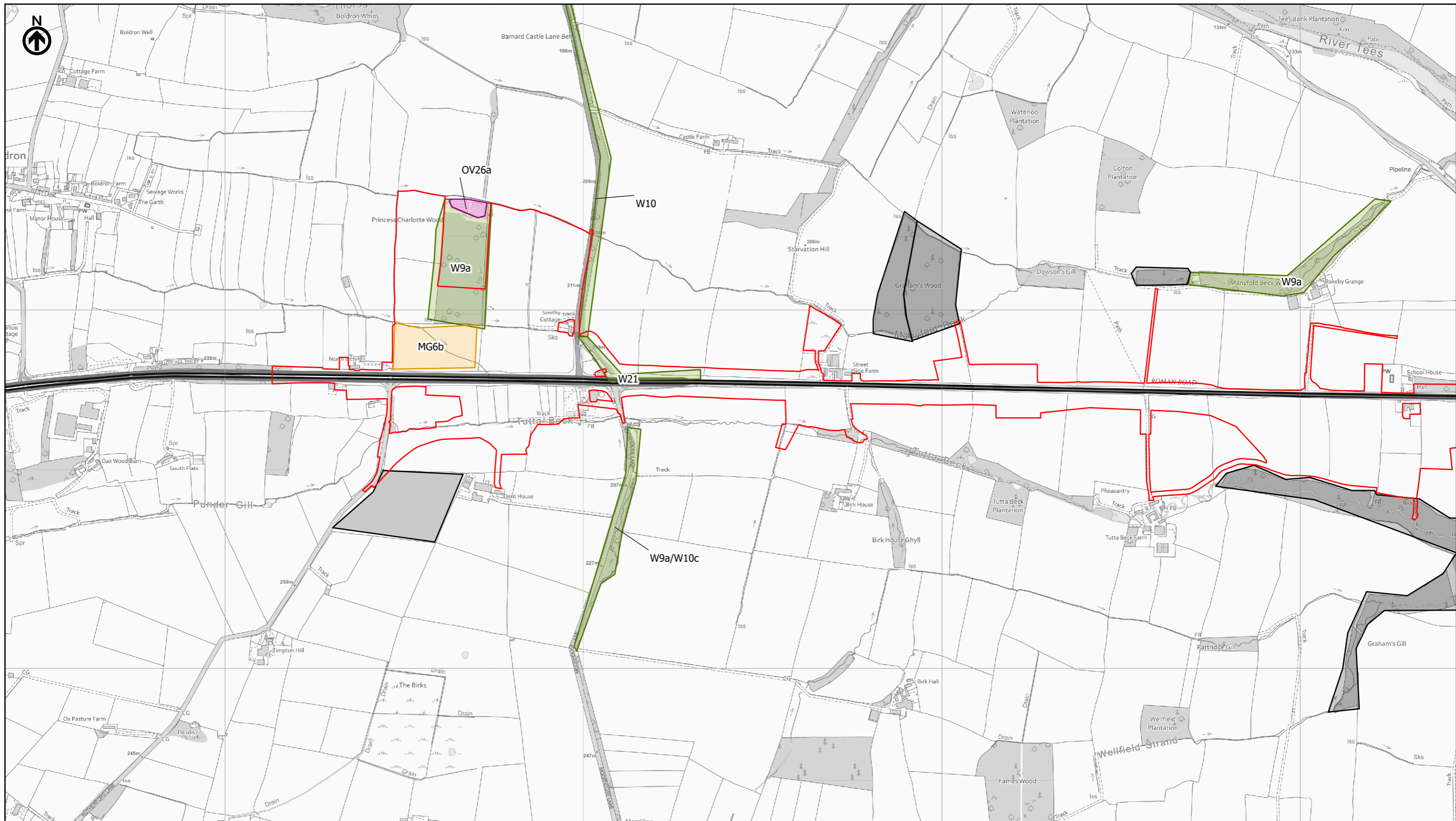
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Project Name A66 Northern Trans-Pennine Project			
Map Title NVC Figure 10 National Vegetation Classification (NVC) Survey Scheme: 07, Bowes Bypass			
Map Number Project	Originator	Volume	
HE565627	AMY	EBD	
S00		MP	LB
Location		Type	Role
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01

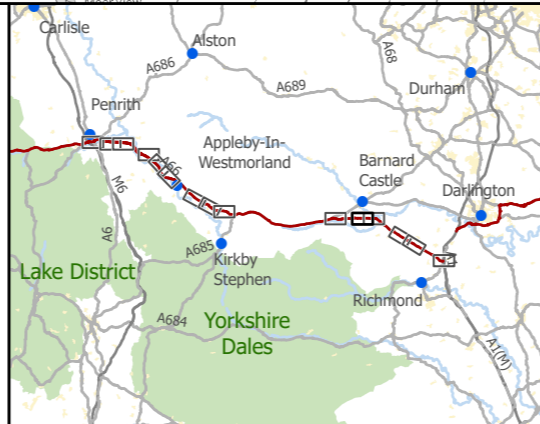
* Main NVC habitat codes are shown as labels



Existing A66
 Order Limits
National Vegetation Classification (NVC)*
 Mesotrophic Grassland
 No Recognisable NVC Community
 Vegetation of Open Habitats
 Woodland and Scrub

NVC Community Description

MG6 - Lolium perenne-Cynosurus cristatus grassland
OV26 - Epilobium hirsutum community
W21 - Crataegus monogyna
W9 - Fraxinus excelsior-Sorbus aucuparia-Mercurialis perennis woodland
W9 - Fraxinus excelsior-Sorbus aucuparia-Mercurialis perennis woodland / W10 - Quercus robur-Pteridium aquilinum-Rubus fruticosus woodland
W10 - Quercus robur-Pteridium aquilinum-Rubus fruticosus woodland



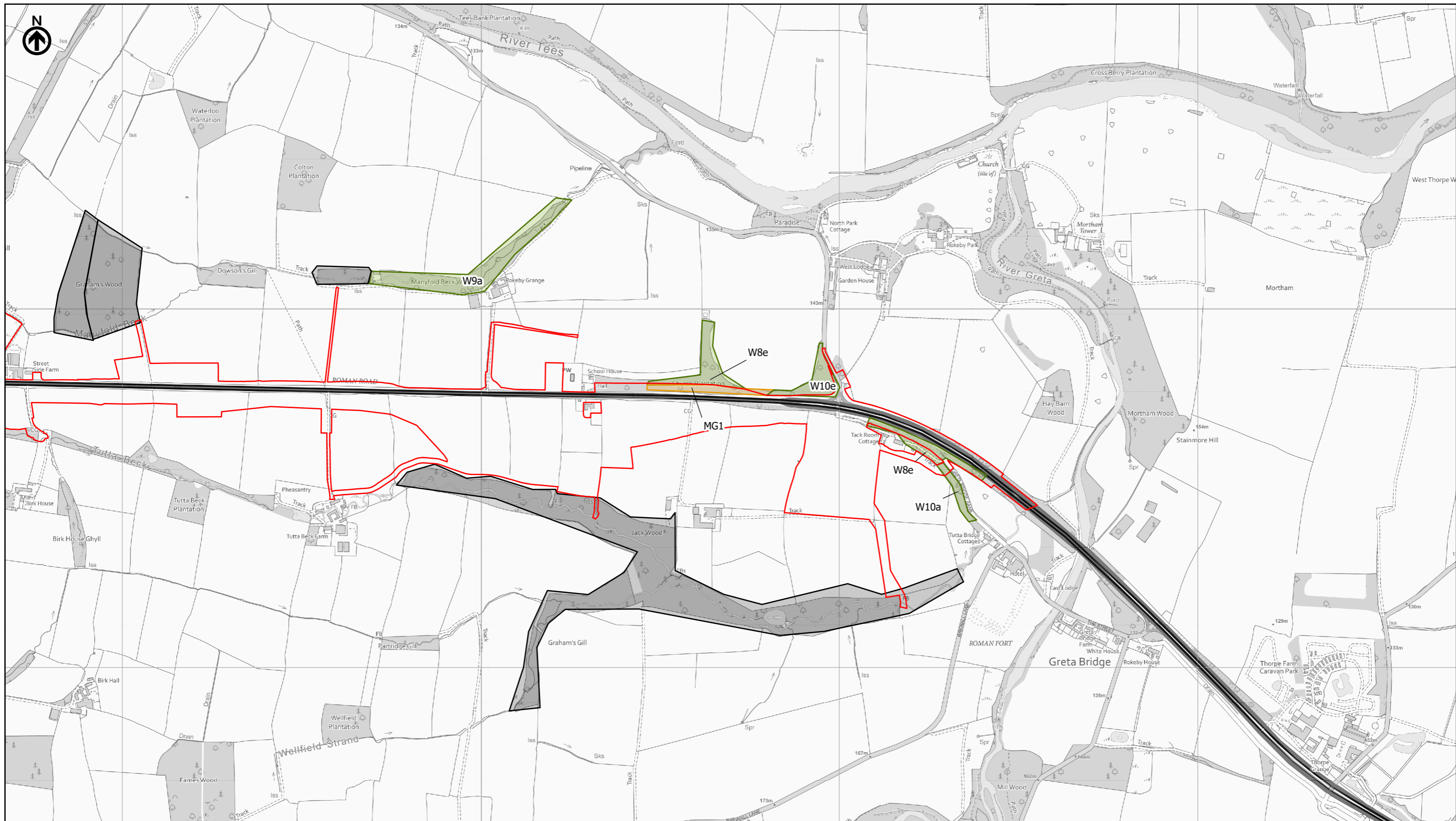
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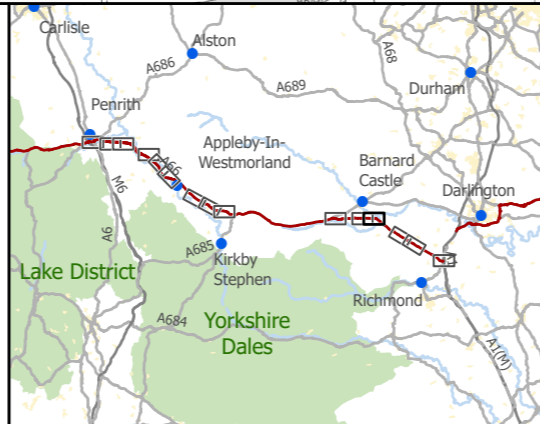
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Map Title NVC Figure 11 National Vegetation Classification (NVC) Survey Scheme: 08, Cross Lanes to Rokeby			
Map Number Project	Originator	Volume	
HE565627	AMY	EBD	
S00		MP	LB
Location		Type	Role
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01

* Main NVC habitat codes are shown as labels



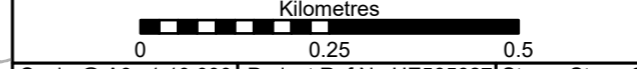
- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- Mesotrophic Grassland
- No Recognisable NVC Community
- Woodland and Scrub

- NVC Community Description
- MG1 - Arrhenatherum elatius grassland
 - W9 - Fraxinus excelsior-Sorbus aucuparia-Mercurialis perennis woodland
 - W8 - Fraxinus excelsior-Acer campestre-Mercurialis perennis woodland
 - W10 - Quercus robur-Pteridium aquilinum-Rubus fruticosus woodland



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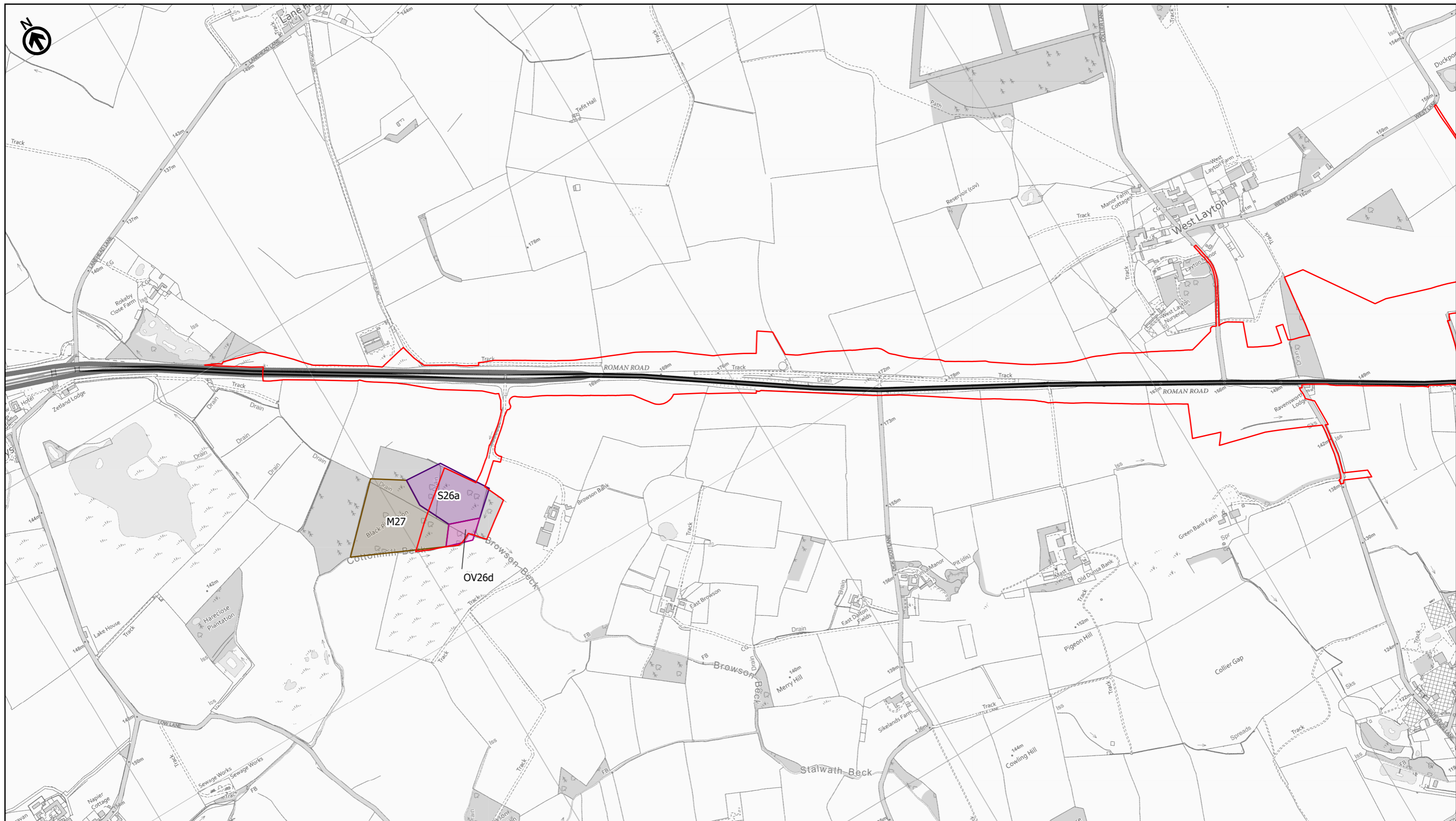
Project Name
A66 Northern Trans-Pennine Project

Map Title
 NVC Figure 12
 National Vegetation Classification (NVC) Survey
 Scheme: 08, Cross Lanes to Rokeby

Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP	-
Location		Type	Role

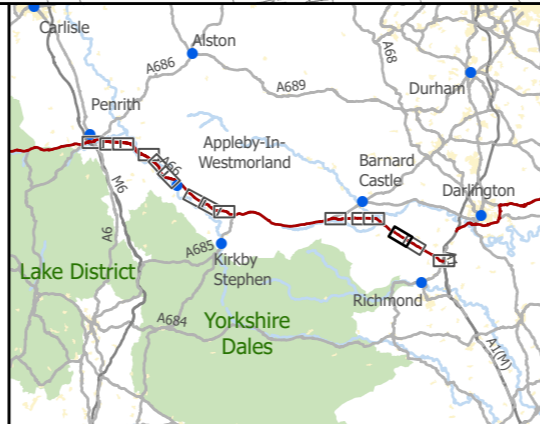
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01

* Main NVC habitat codes are shown as labels



- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- Swamps and Tall-herb Fens
- Mire
- Vegetation of Open Habitats

- NVC Community Description
- S26 - *Phragmites australis-Urtica dioica* tall-herb fen
 - M27 - *Filipendula ulmaria-Angelica sylvestris* mire
 - OV26 - *Epilobium hirsutum* community



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P01	First Issue				
	KBIG	PKEL	AHAL	AWAR	KWHA
	16/11/22	16/11/22	17/11/22	17/11/22	17/11/22
Revision	Created	Checked	Reviewed	Approved	Authorised

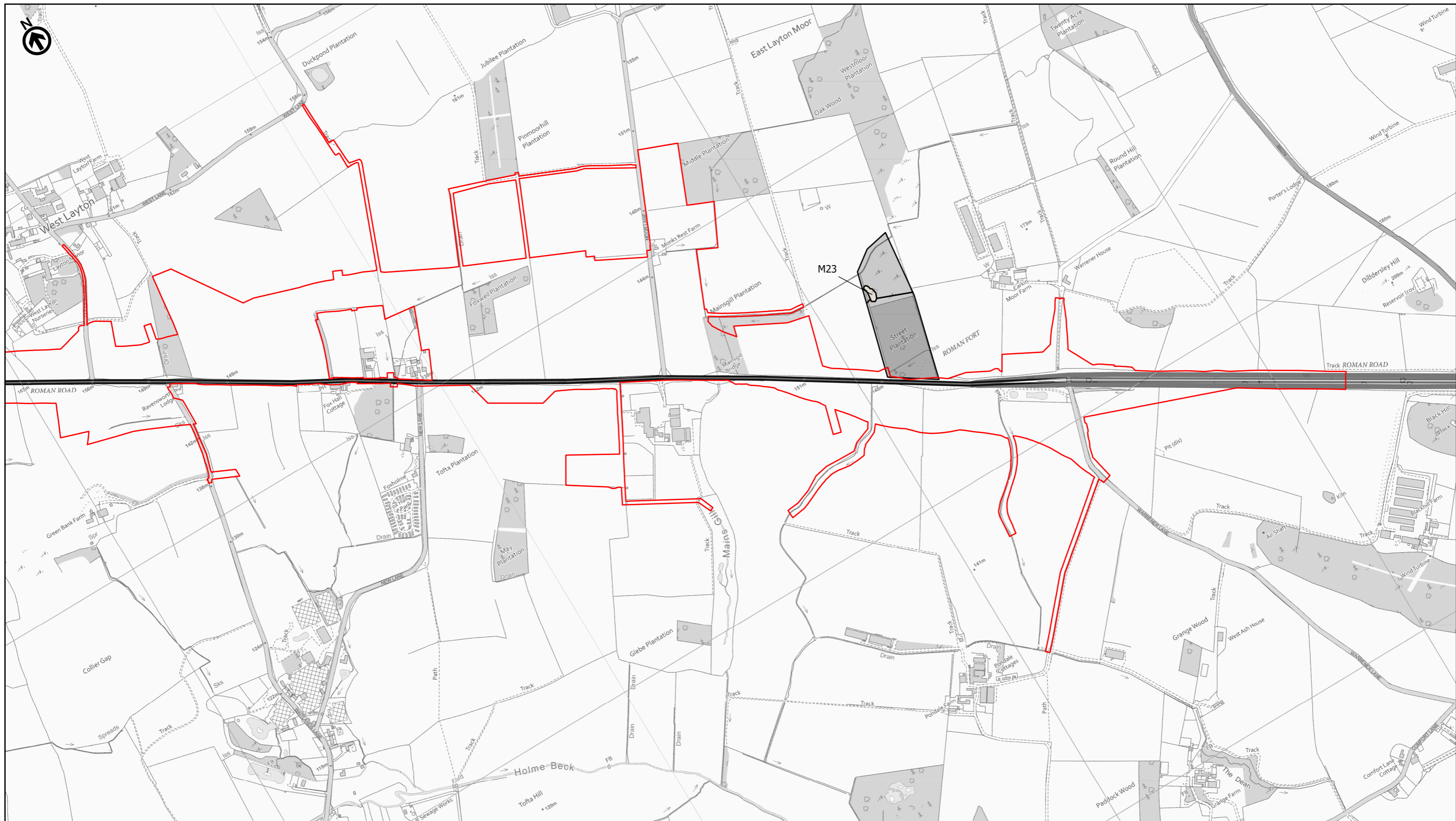
Kilometres

0 0.25 0.5

Scale @ A3: 1:10,000 | Project Ref No HE565627 | Stage: Stage 3
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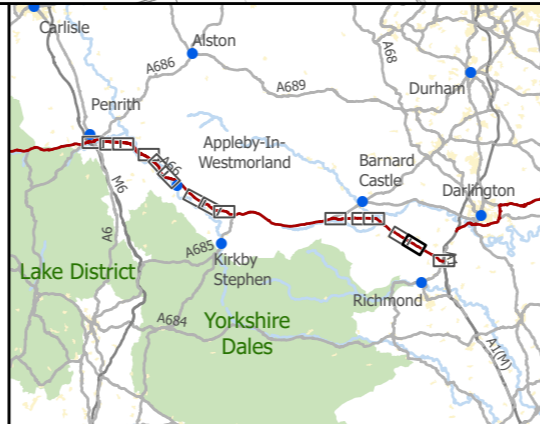
Project Name A66 Northern Trans-Pennine Project			
Map Title NVC Figure 13			
National Vegetation Classification (NVC) Survey Scheme: 09, Stephen Bank to Carkin Moor			
Map Number Project	Originator	Volume	
HE565627	AMY	EBD	
S00	MP	LB	003627
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01

* Main NVC habitat codes are shown as labels



- Existing A66
- Order Limits
- National Vegetation Classification (NVC)*
- Mire
- No Recognisable NVC Community

NVC Community Description
 M23 - *Juncus effusus/acutiflorus*-*Galium palustre* rush-pasture



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P01	First Issue				
	KBIG	PKEL	AHAL	AWAR	KWHA
	16/11/22	16/11/22	17/11/22	17/11/22	17/11/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres
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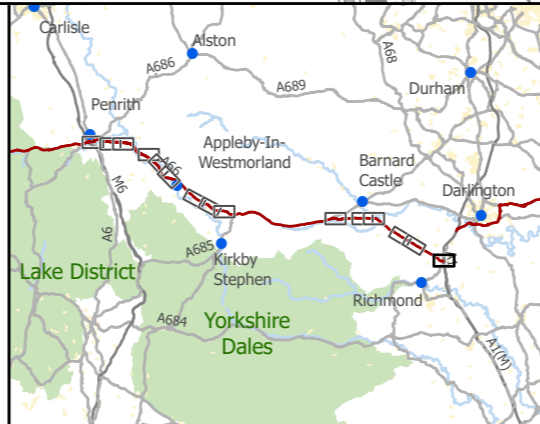
Scale @ A3: 1:10,000 | Project Ref No HE565627 | Stage: Stage 3
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Project Name A66 Northern Trans-Pennine Project			
Map Title NVC Figure 14			
Scheme: 09, Stephen Bank to Carkin Moor			
Map Number Project	Originator	Volume	
HE565627	AMY	EBD	
S00	MP	LB	003628
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01

* Main NVC habitat codes are shown as labels

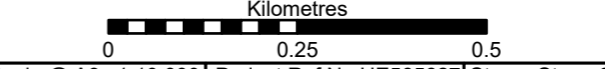


Existing A66
 Order Limits
 National Vegetation Classification (NVC)*
 No Recognisable NVC Community



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P01	First Issue				
	KBIG	PKEL	AHAL	AWAR	KWHA
Revision	Created	Checked	Reviewed	Approved	Authorised
	16/11/22	16/11/22	17/11/22	17/11/22	17/11/22



Scale @ A3: 1:10,000 | Project Ref No HE565627 | Stage: Stage 3
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Project Name
A66 Northern Trans-Pennine Project

Map Title
 NVC Figure 15
 National Vegetation Classification (NVC) Survey
 Scheme: 11, A1(M) Junction 53 Scotch Corner

Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP	-
Location		Type	Role
			Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01

* Main NVC habitat codes are shown as labels