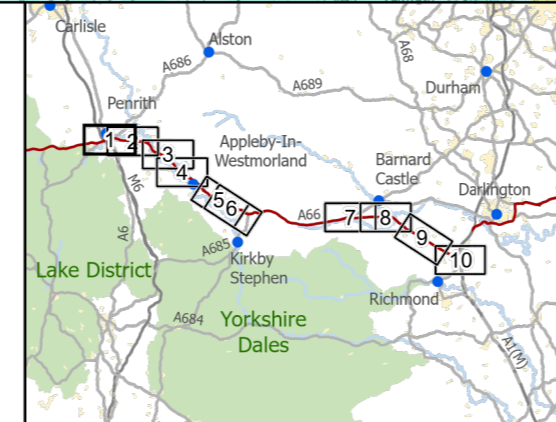


- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 1000m
- OS Mapped Springs
- ⊕ Enclosed Depressions
- ⚡ Known Caves
- BGS 1:50K Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite

- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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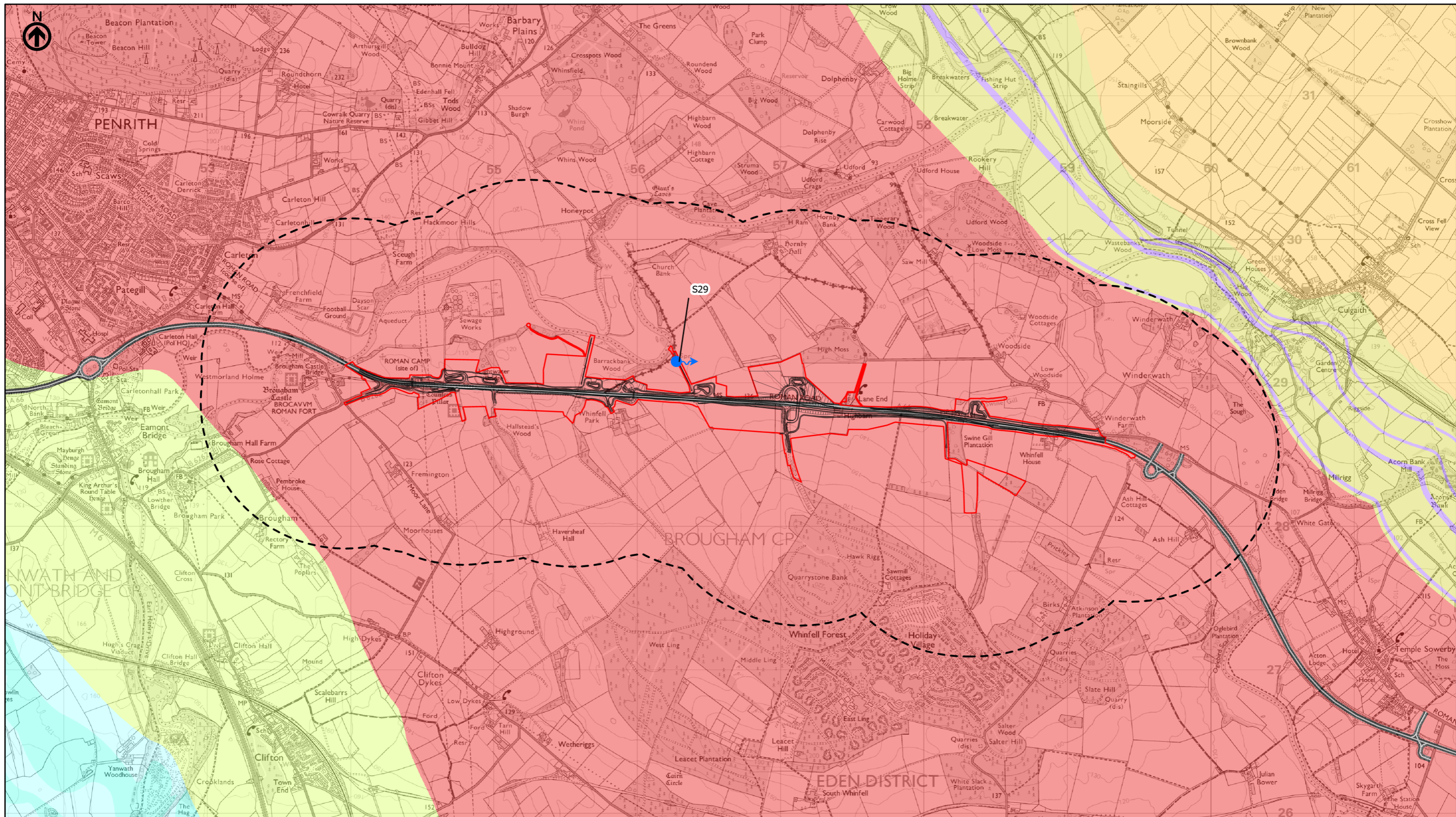
P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

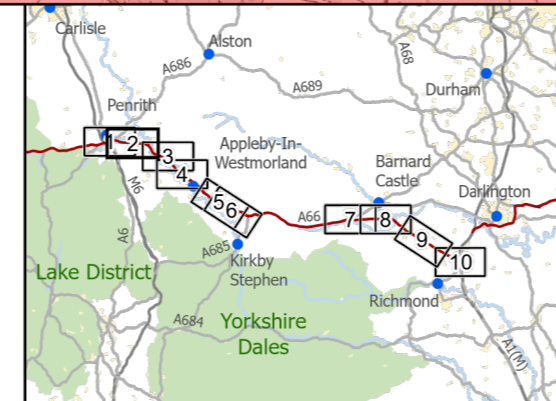
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.8.2			
Karst Desktop Study (Features within 1km)			
Scheme: 0102, M6 Junction 40 to Kemplay Bank			
Sheet 1 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00		MP - LD - 011260	
Location		Type	Role Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 1000m
- OS Mapped Springs
- ⊖ Enclosed Depressions
- △ Known Caves
- BGS 1:50K Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite

- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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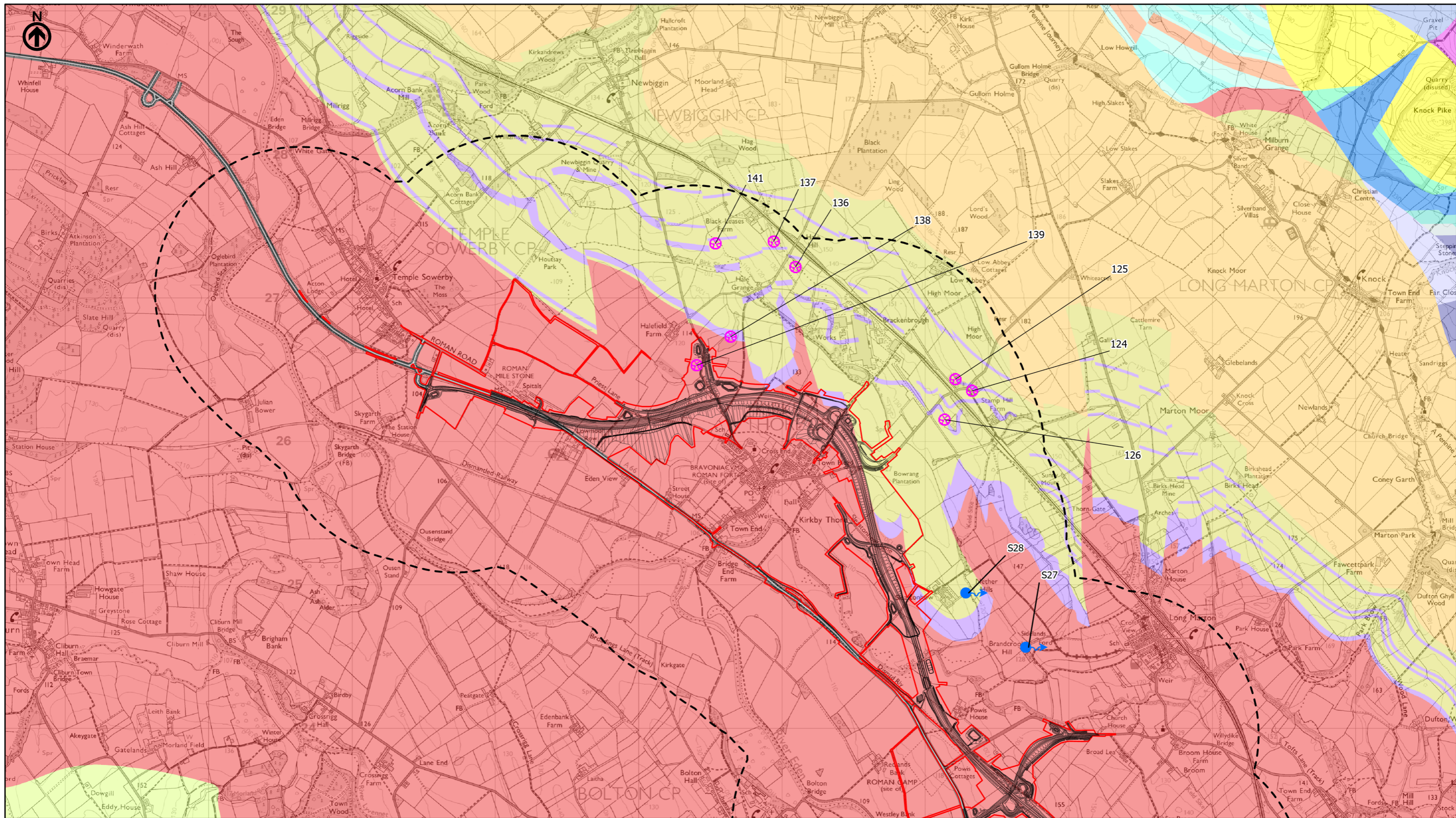
P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres

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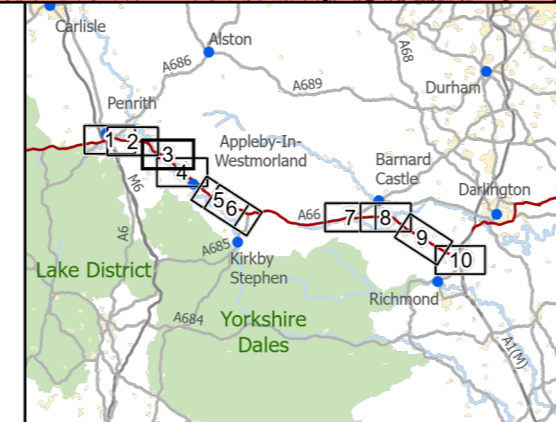
Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.8.2			
Karst Desktop Study (Features within 1km)			
Scheme: 03, Penrith to Temple Sowerby			
Sheet 2 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011261
Location		Type	Role Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 1000m
- OS Mapped Springs
- ⊕ Enclosed Depressions
- ⊖ Known Caves
- BGS 1:50K Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite

- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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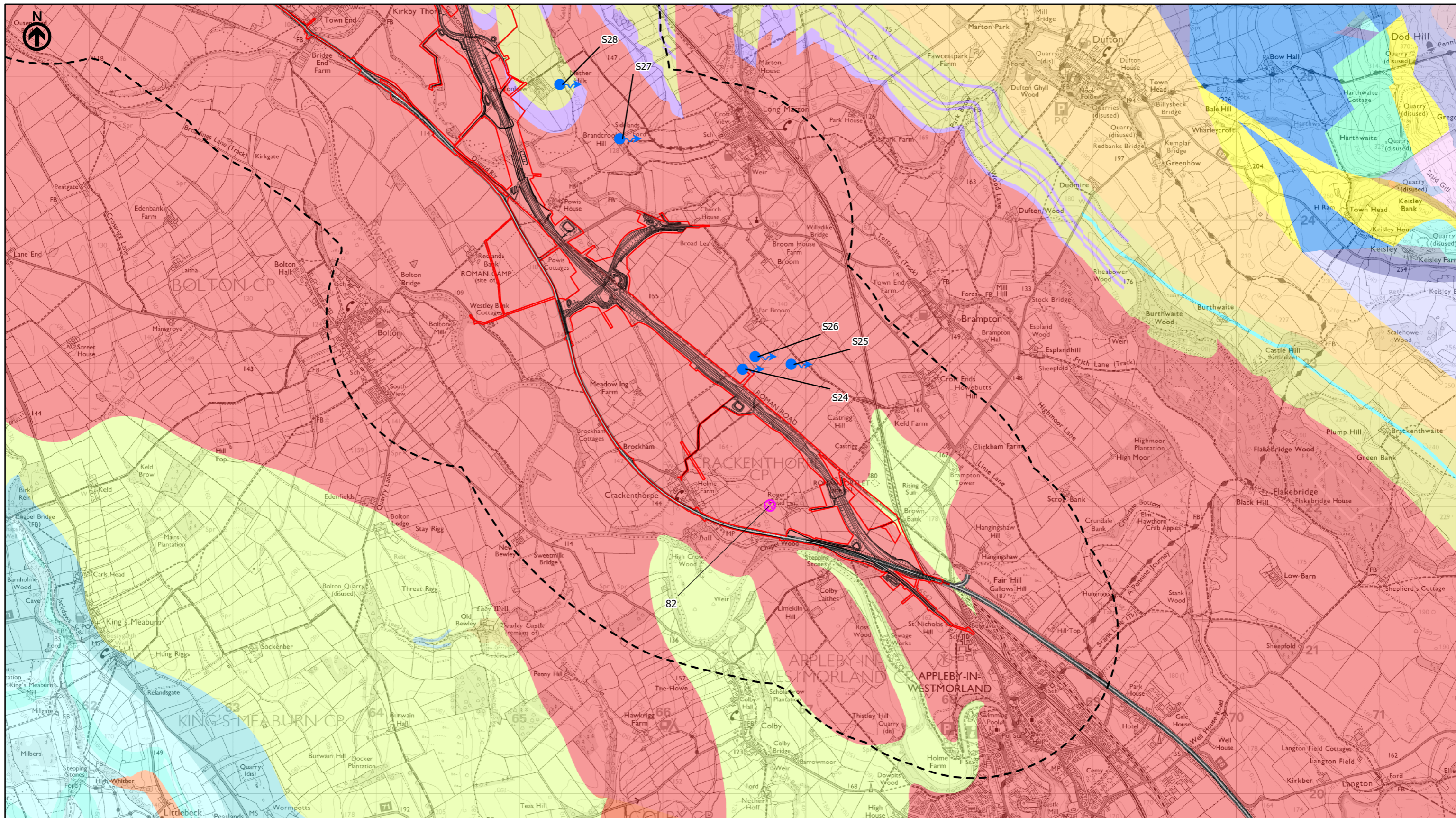
P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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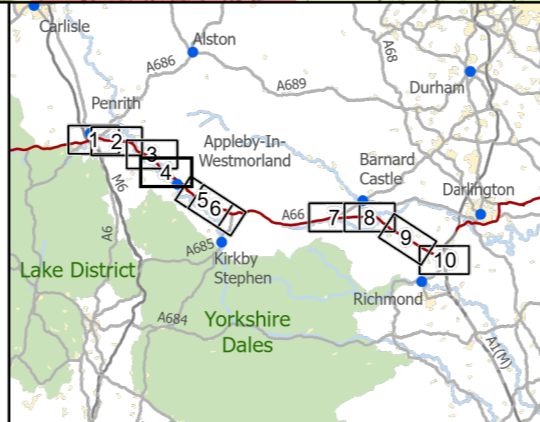
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.8.2			
Karst Desktop Study (Features within 1km)			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 3 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00		MP - LD - 011262	
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



<ul style="list-style-type: none"> — Route Alignment — Existing A66 □ Order Limits - - - Study Area 1000m ● OS Mapped Springs ⊕ Enclosed Depressions ⊖ Known Caves BGS 1:50k Bedrock ■ Alston Formation - Mudstone Sandstone and Siltstone ■ Alston Formation - Sandstone ■ Belah Dolomite 	<ul style="list-style-type: none"> ■ Brockram Breccia ■ Crag Limestone ■ Eden Shales ■ Evaporite - Gypsum ■ Four Fathom Limestone ■ Great Limestone Member ■ Little Limestone ■ Penrith Sandstone ■ St Bees Sandstone Member ■ Stainmore Formation - Mudstone, Siltstone and Sandstone ■ Three Yard Limestone
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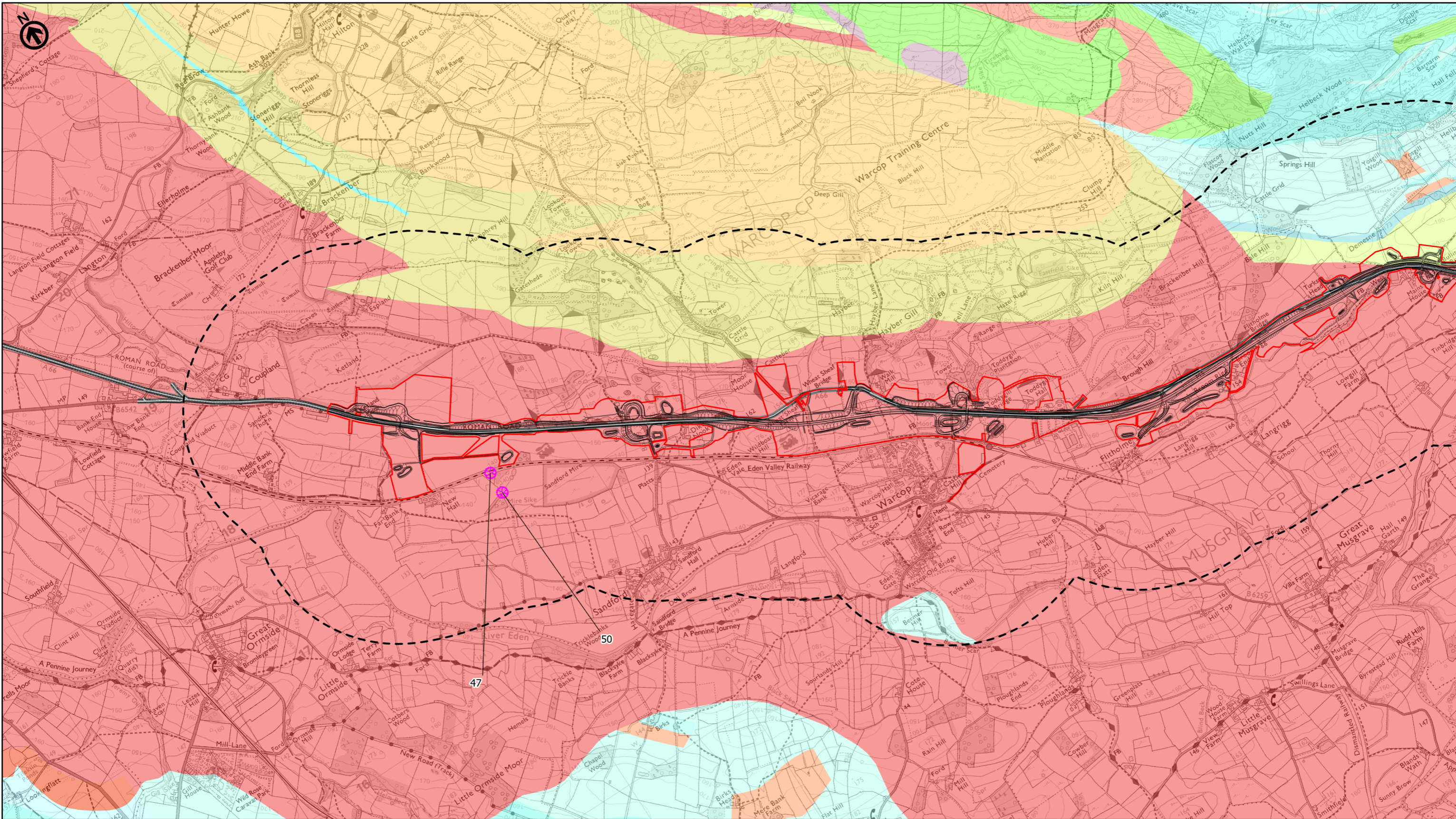
P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

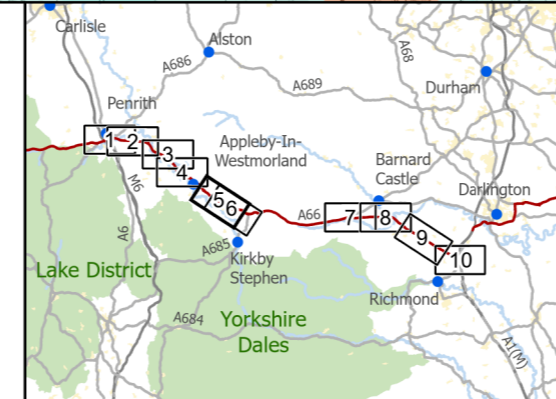
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.8.2			
Karst Desktop Study (Features within 1km)			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 4 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP	- LD - 011263
Location		Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



- Route Alignment
- Existing A66
- ▭ Order Limits
- - - Study Area 1000m
- OS Mapped Springs
- ⊕ Enclosed Depressions
- ⊖ Known Caves
- BGS 1:50K Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation -Sandstone
- Belah Dolomite

- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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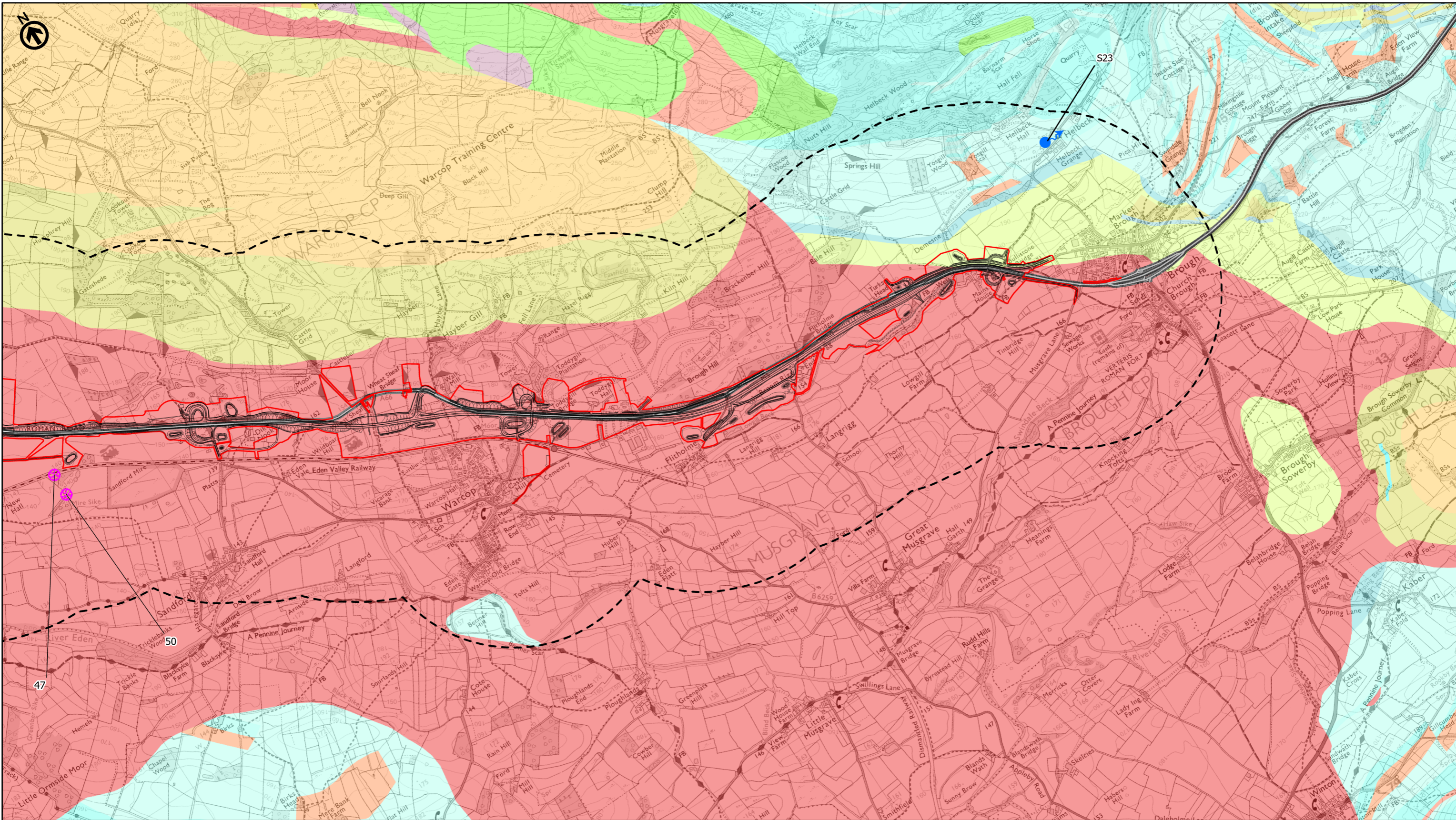
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	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

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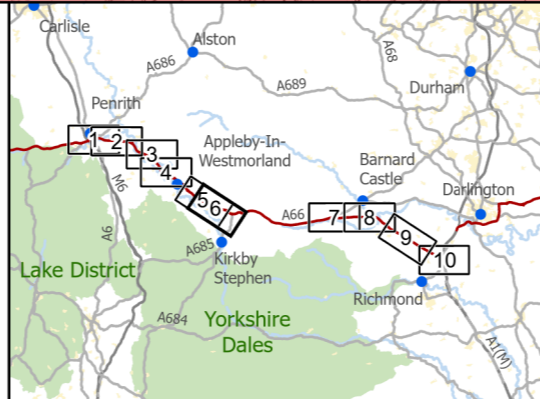
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.8.2			
Karst Desktop Study (Features within 1km)			
Scheme: 06, Appleby to Brough			
Sheet 5 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011264
Location		Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P03



- Route Alignment
- Existing A66
- ▭ Order Limits
- - - Study Area 1000m
- OS Mapped Springs
- ⊕ Enclosed Depressions
- ⚡ Known Caves
- BGS 1:50K Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation -Sandstone
- Belah Dolomite
- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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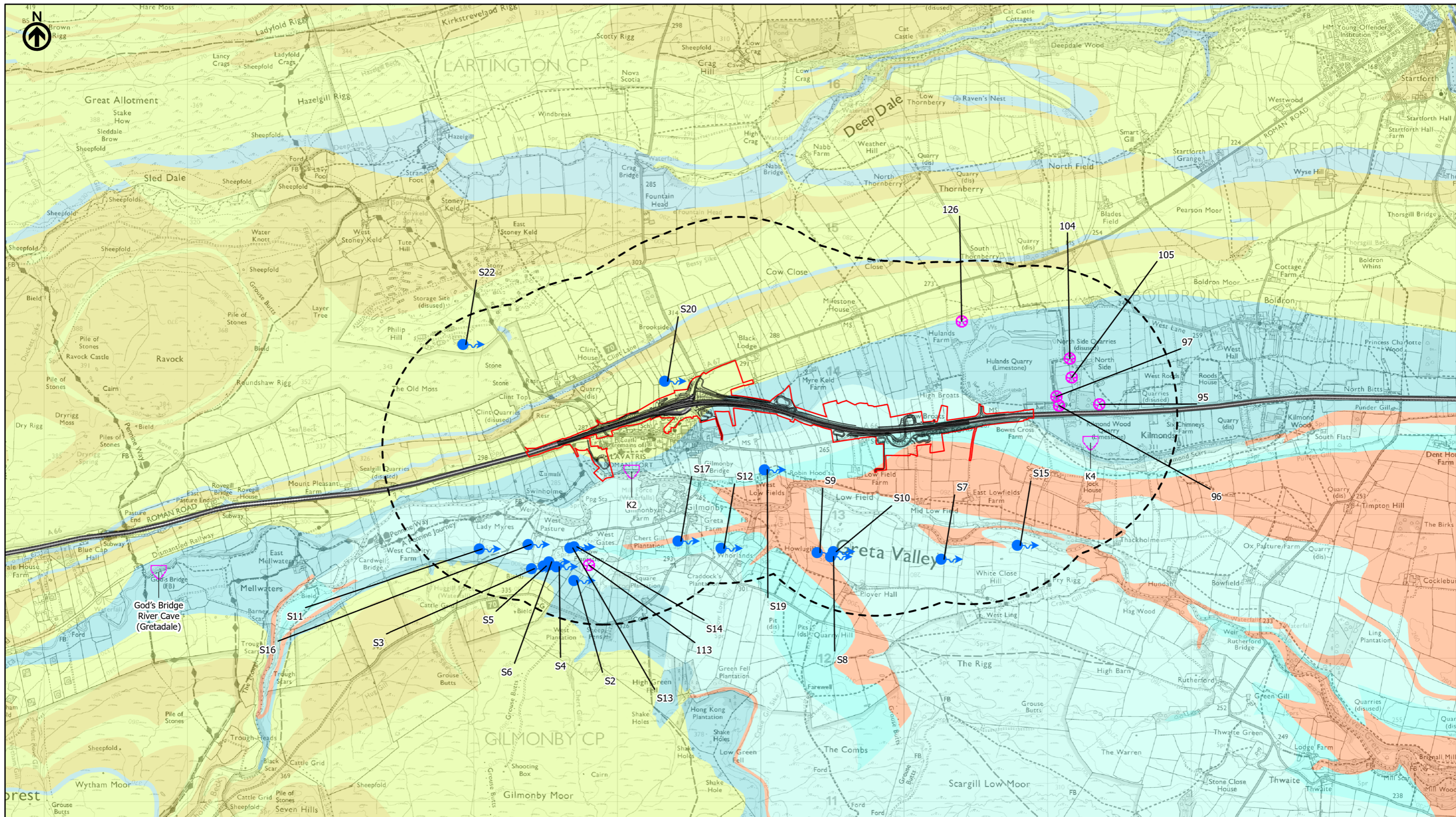
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	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

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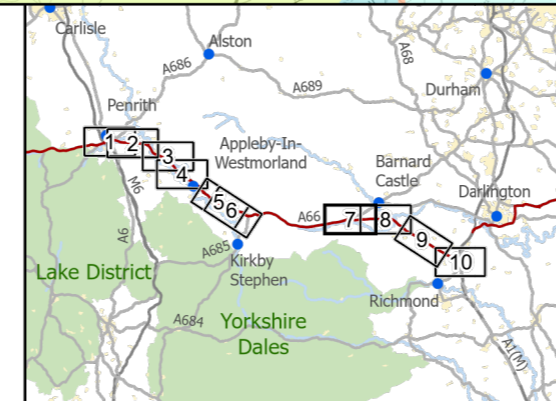
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.8.2			
Karst Desktop Study (Features within 1km)			
Scheme: 06, Appleby to Brough			
Sheet 6 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
S00	-	MP - LD - 011265	
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P03



- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 1000m
- OS Mapped Springs
- ⊕ Enclosed Depressions
- ⊖ Known Caves
- BGS 1:50k Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite

- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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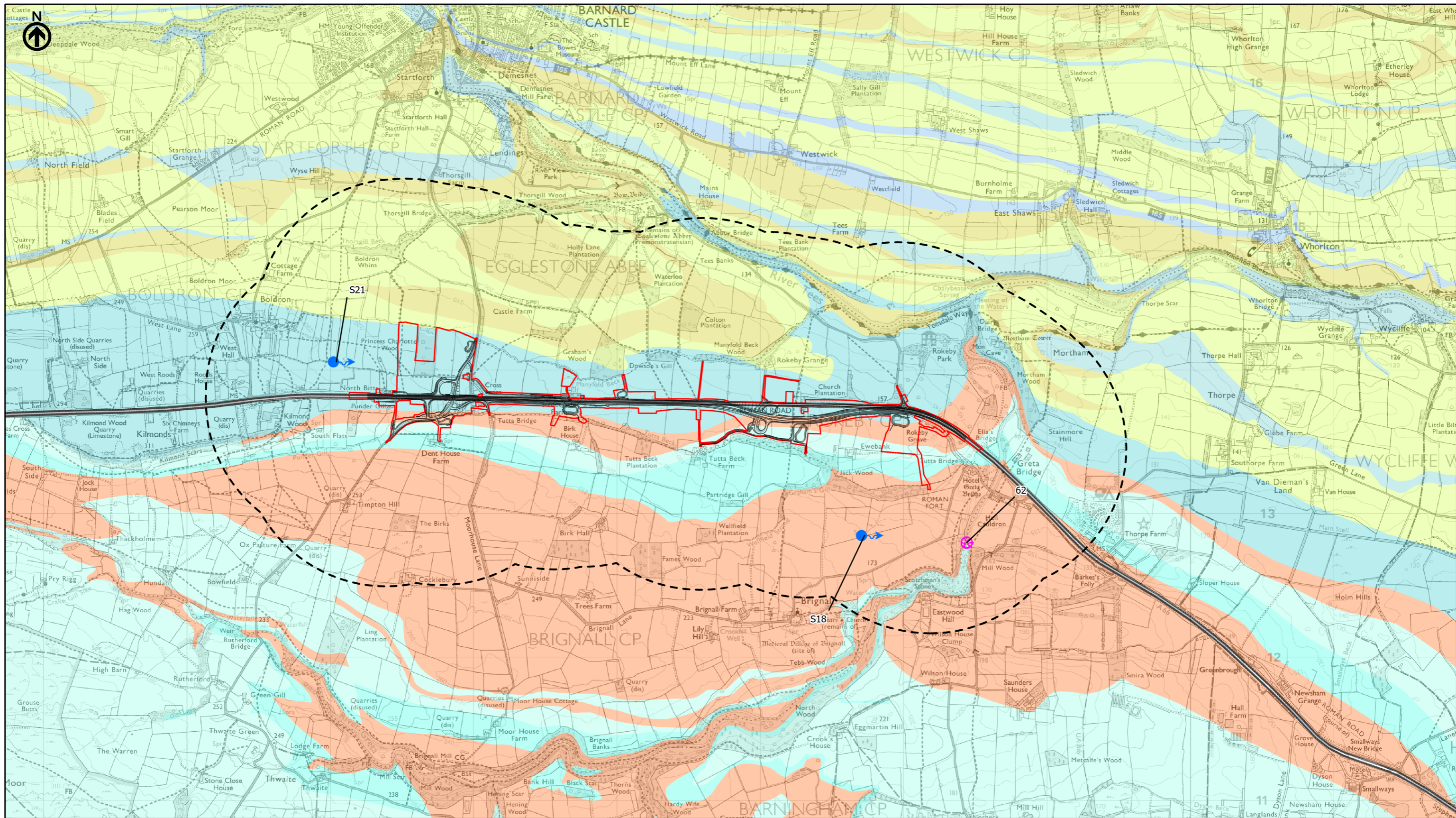
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		29/03/22	29/03/22	29/03/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

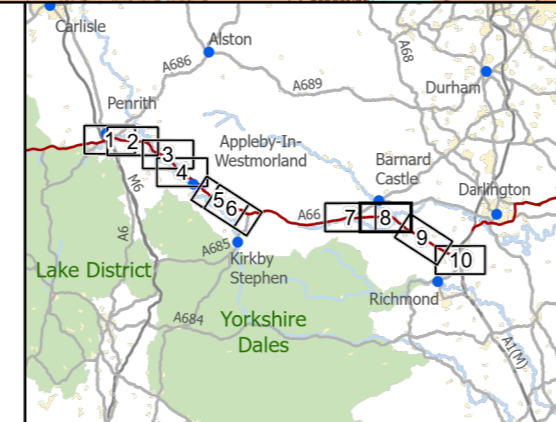
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.8.2			
Karst Desktop Study (Features within 1km)			
Scheme: 07, Bowes Bypass			
Sheet 7 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011266
Location		Type	Role Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 1000m
- OS Mapped Springs
- ⊕ Enclosed Depressions
- ⊖ Known Caves
- BGS 1:50K Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite

- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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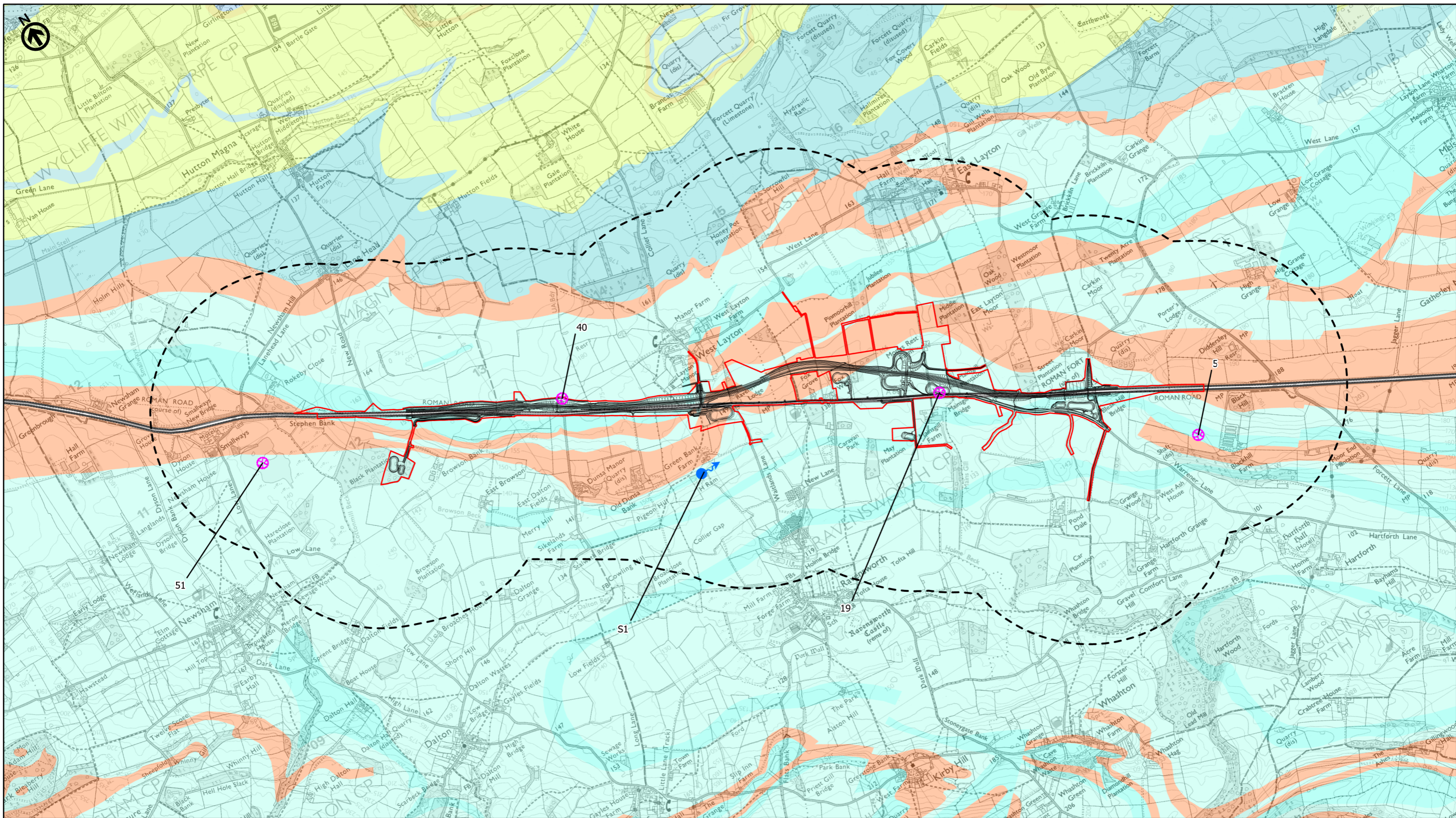
3 Piccadilly Place
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P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
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Revision	Created	Checked	Reviewed	Approved	Authorised	

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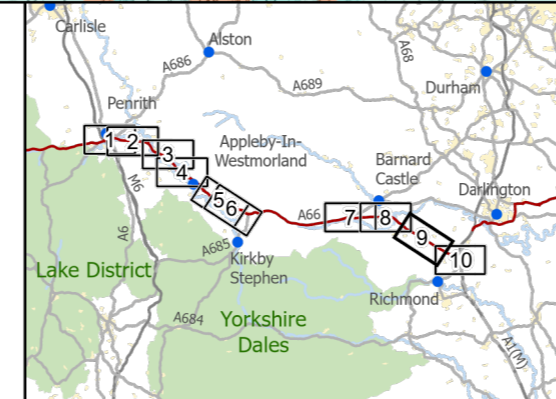
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.8.2			
Karst Desktop Study (Features within 1km)			
Scheme: 08, Cross Lanes to Rokeby			
Sheet 8 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011267
Location		Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 1000m
- OS Mapped Springs
- ⊕ Enclosed Depressions
- ⊖ Known Caves
- BGS 1:50K Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation -Sandstone
- Belah Dolomite

- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



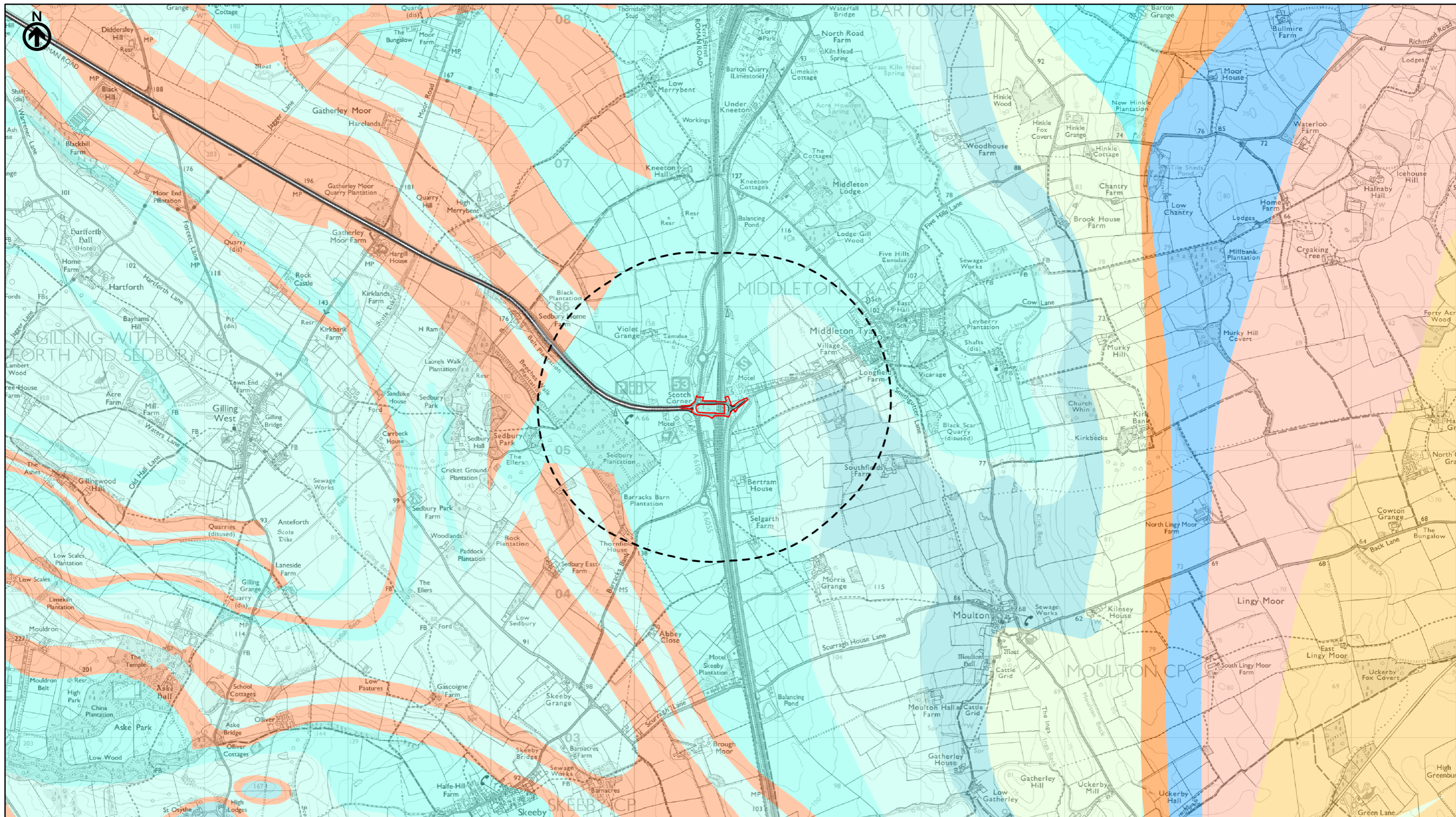
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P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
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Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres
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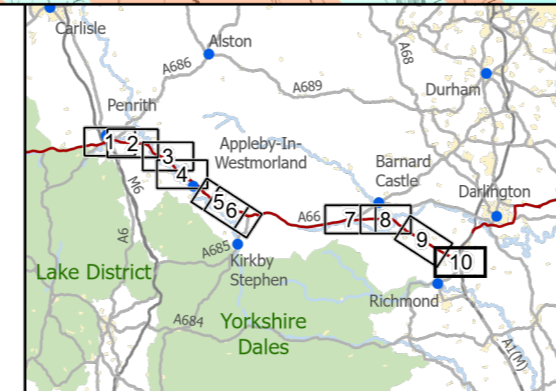
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.8.2			
Karst Desktop Study (Features within 1km)			
Scheme: 09, Stephen Bank to Carkin Moor			
Sheet 9 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
S00	-	MP - LD -	011268
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P02



- Route Alignment
- Existing A66
- Order Limits
- Study Area 1000m
- OS Mapped Springs
- ⊕ Enclosed Depressions
- ▽ Known Caves
- BGS 1:50K Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite

- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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P02	First Issue				
	CESL	LHAN	MBRE	AMIT	KWHA
	29/03/22	29/03/22	29/03/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.8.2			
Karst Desktop Study (Features within 1km)			
Scheme: 11, A1(M) Junction 53 Scotch Corner			
Sheet 10 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
S00	MP	LD	011269
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P02