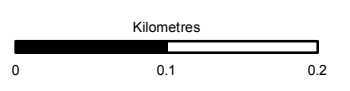


**Mainline Option 1 (Southbound Widening)**

**Bedrock Geology**

- CEHI-PSAMM CENTRAL HIGHLAND MIGMATITE COMPLEX - PSAMMITE
- DAVA-PSFGM DAVA SUBGROUP - PSAMMITE, FELDSPATHIC-GNEISSO...



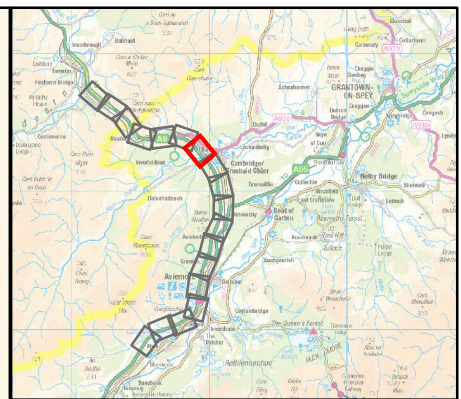
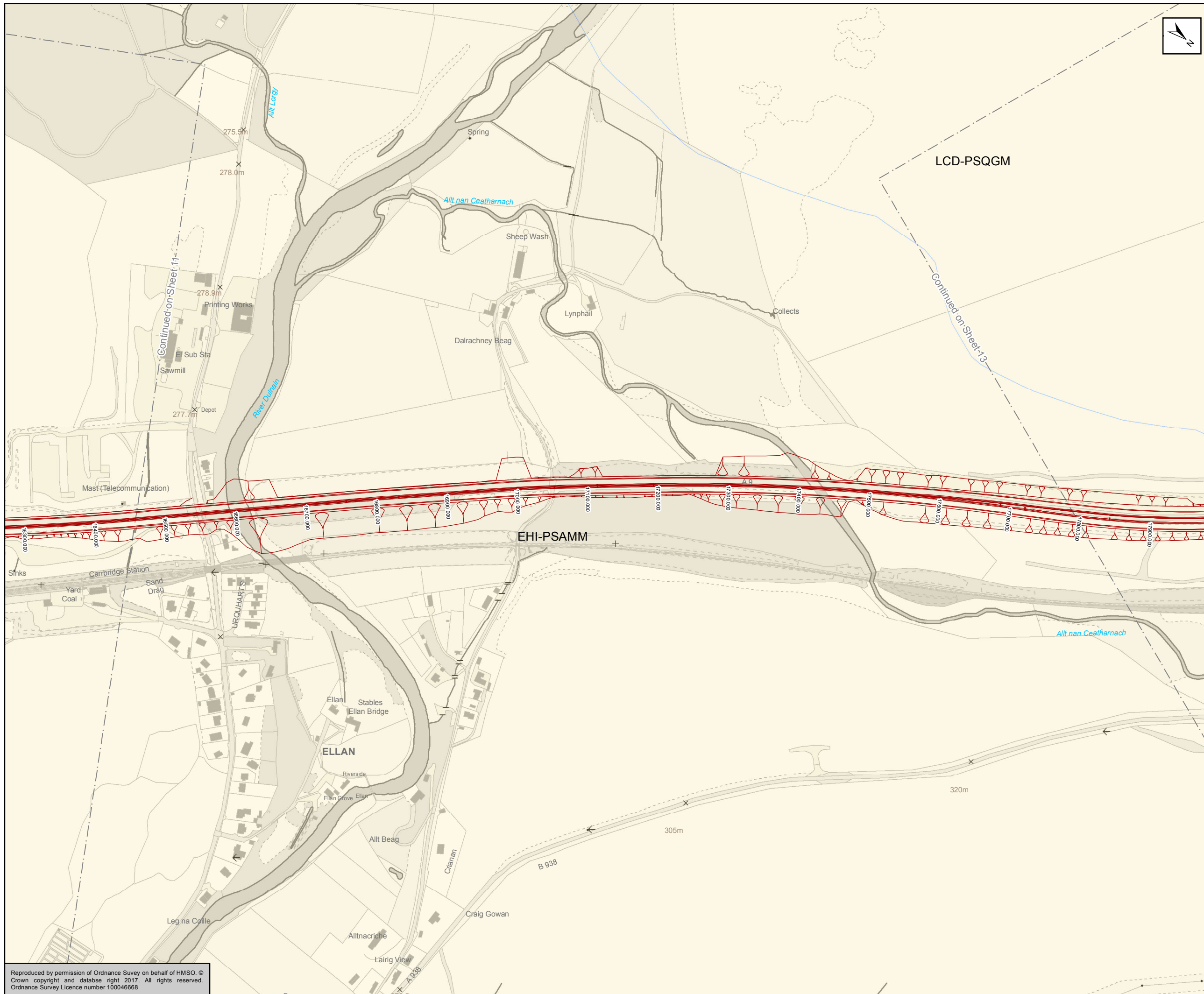
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Client

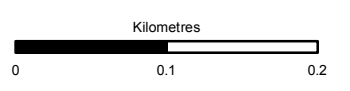
Figure 5.25k  
Mainline Alignment Option 1  
Solid Geology  
Sheet 11 of 17

Scale	1:5,000	Drawn	JD	Checked	KP	Approved	MD	Authorised	RG
Document Number	A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0029							Revision	P03
Project	Originator	Volume							
Location	Type	Role	Number						

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- Mainline Option 1 (Southbound Widening)**
- Bedrock Geology**
- CEHI-PSAMM CENTRAL HIGHLAND MIGMATITE COMPLEX - PSAMMITE
  - SLCD-PSQGM SLOCHD PSAMMITE FORMATION - PSAMMITE, QUARTZOSE-GNEISSOS...



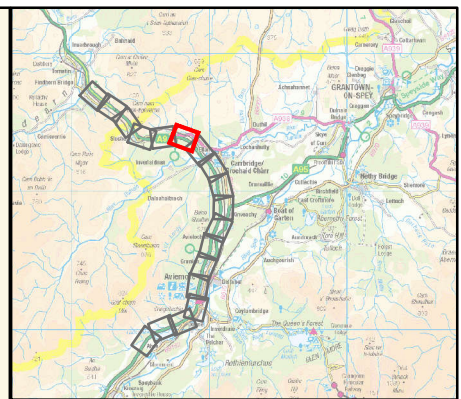
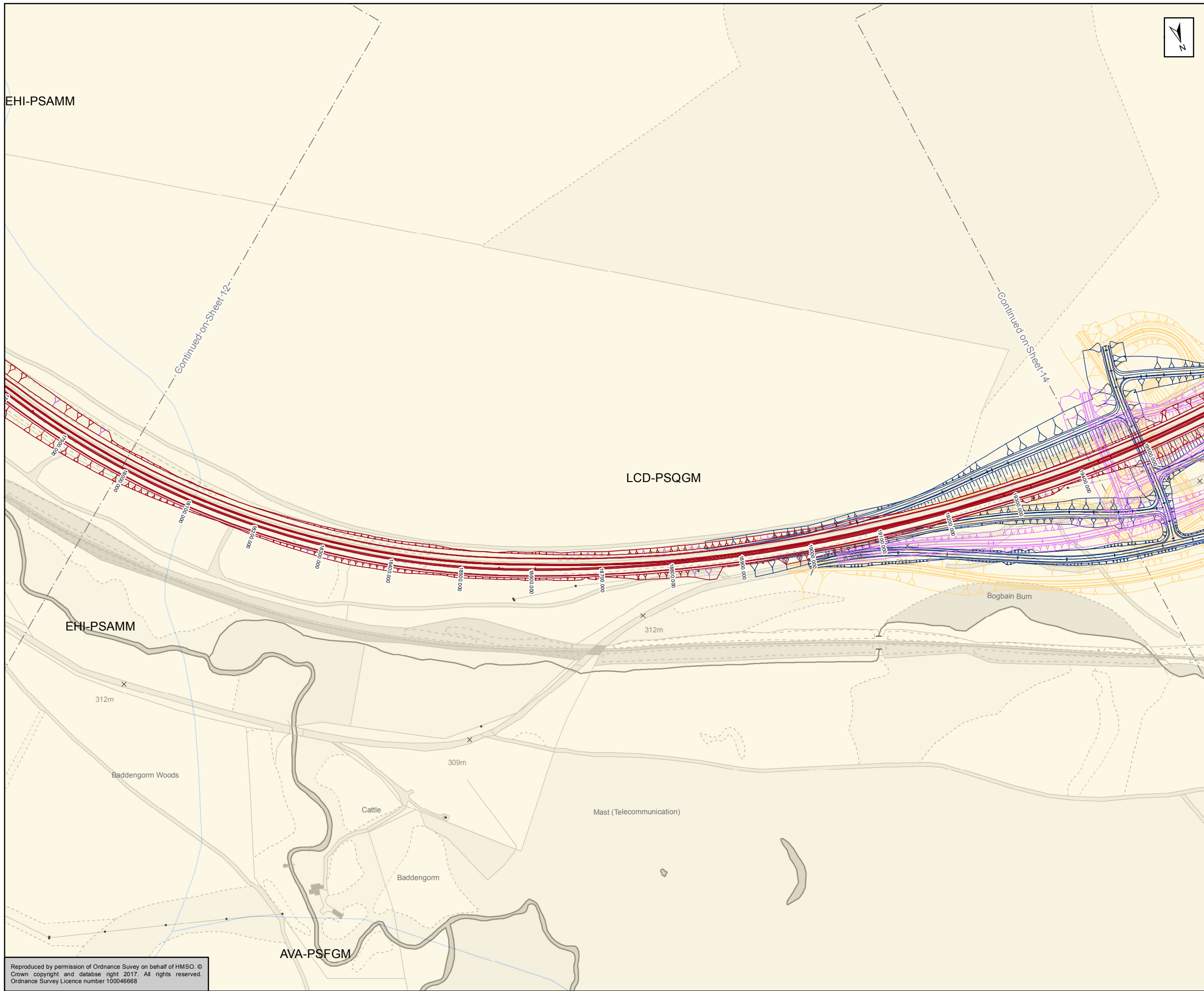
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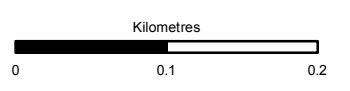
Figure 5.251  
Mainline Alignment Option 1  
Solid Geology  
Sheet 12 of 17

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Project	Originator	Volume							
Location	Type	Role	Number						

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- Mainline Option 1 (Southbound Widening)
- Black Mount Southbound Junctions Options**
- D03 - Restricted Movements Diamond
- D12 - Diamond with Left Right Stagger
- D51 - Half Cloverleaf - Quadrants 2 & 4
- Bedrock Geology**
- CEHI-PSAMM CENTRAL HIGHLAND MIGMATITE COMPLEX - PSAMMITE
- DAVA-PSFGM DAVA SUBGROUP - PSAMMITE, FELDSPATHIC-GNEISSO...
- SLCD-PSQGM SLOCHD PSAMMITE FORMATION - PSAMMITE, QUARTZOSE-GNEISSO...



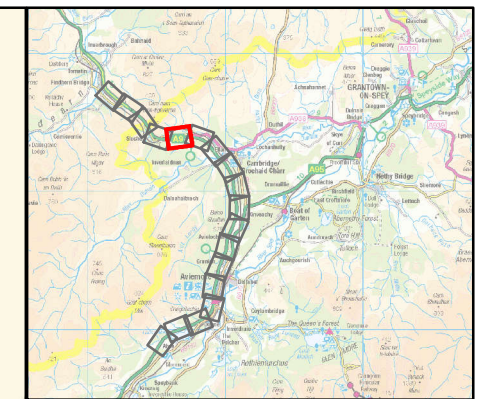
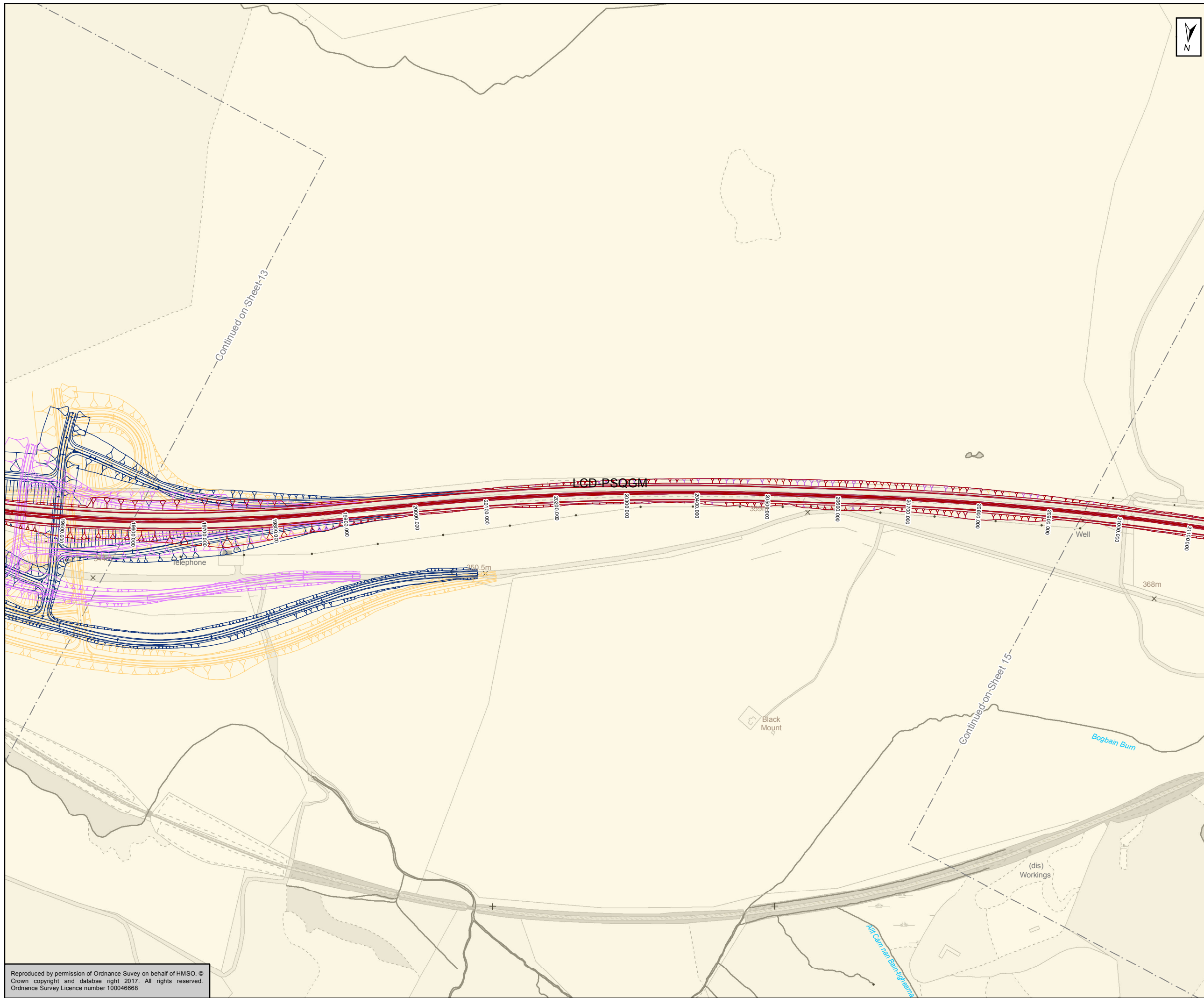
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Figure 5.25m  
Mainline Alignment Option 1  
Solid Geology  
Sheet 13 of 17

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Document Number: A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0031	Project Originator: A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0031	Volume: P03	Revision: P03	
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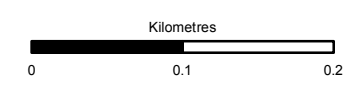
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- Mainline Option 1 (Southbound Widening)
- Black Mount Southbound Junctions Options**
- D03 - Restricted Movements Diamond
- D12 - Diamond with Left Right Stagger
- D51 - Half Cloverleaf - Quadrants 2 & 4

**Bedrock Geology**

SLCD-PSQGM SLOCHD PSAMMITE FORMATION - PSAMMITE, QUARTZOSE-GNEISSOS...



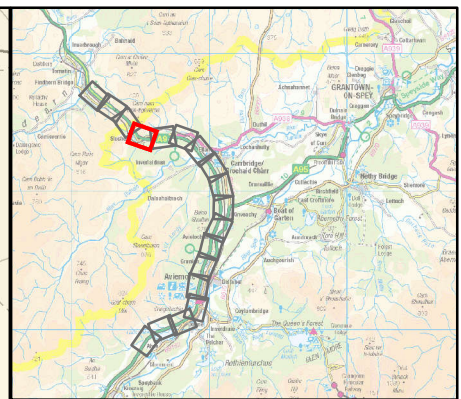
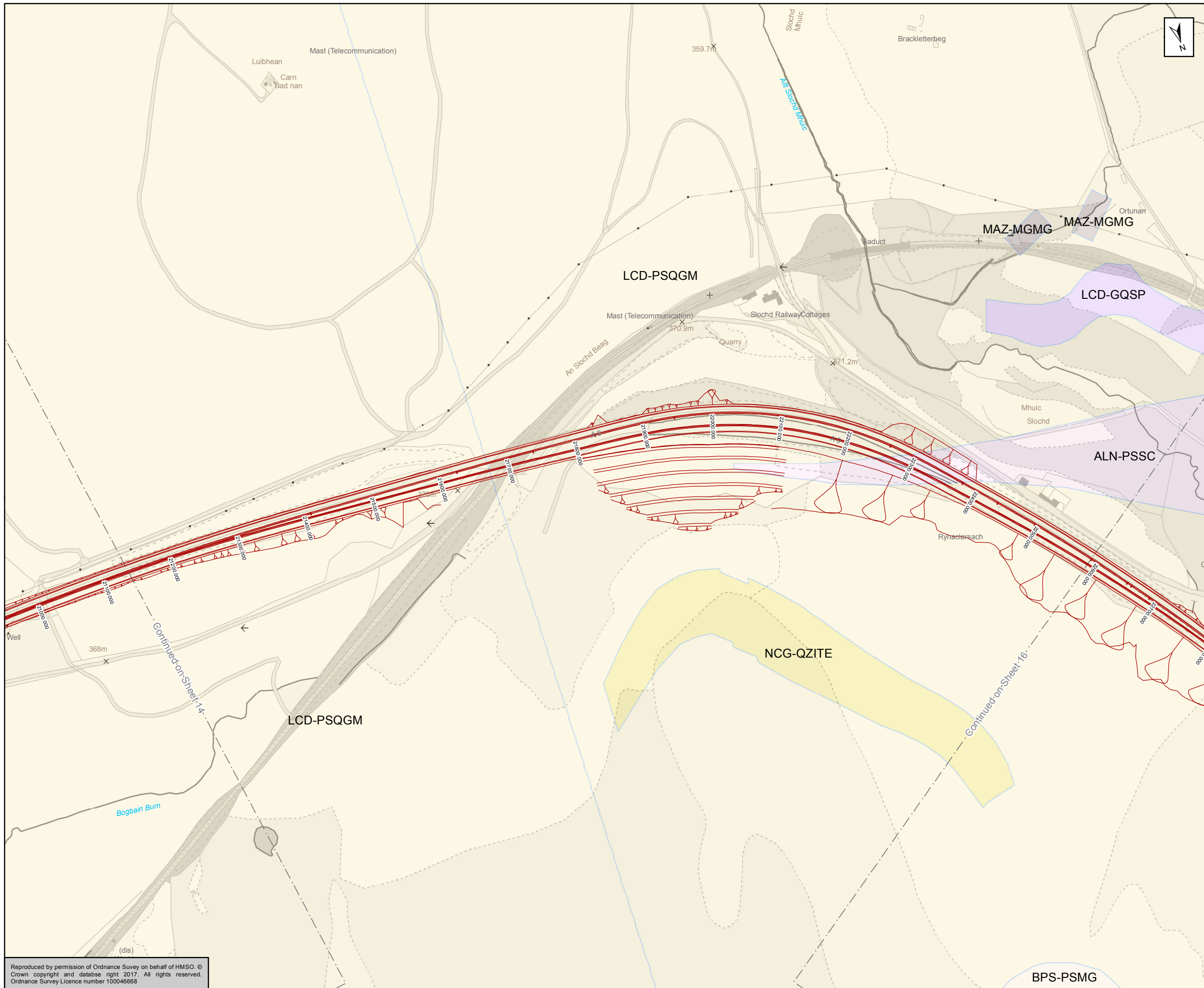
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Figure 5.25n  
Mainline Alignment Option 1  
Solid Geology  
Sheet 14 of 17

Scale	1:5,000	Drawn	JD	Checked	KP	Approved	MD	Authorised	RG
Document Number	A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0032							Revision	P03
Project	Originator	Volume							
Location	Type	Role	Number						

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**Mainline Option 1 (Southbound Widening)**

**Bedrock Geology**

- BPS-PSMG BEINN BHREAC PSAMMITE FORMATION - PSAMMITE, GNEISSOSE-MICACEOUS
- DALN-PSSC DALRADIAN SUPERGROUP - PSAMMITE, SEMIPELITE AND CALCILICATE-ROCK
- KNCG-QZITE KINCRAIG FORMATION - QUARTZITE
- SLOCHD PSAMMITE FORMATION - GNEISSOSE QUARTZITE AND GNEISSOSE SEMIPELITE
- SLOCHD PSAMMITE FORMATION - PSAMMITE, QUARTZOSE-GNEISSOS...
- UNNAMED METAMORPHIC ROCKS, NEOPROTEROZOIC - METAGABBRO AND METAMICROGABBRO

Kilometres  
0 0.1 0.2

Status	FINAL	Subsidiary	B
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Client  
**TRANSPORT SCOTLAND**  
COMHDHAIL ALBA

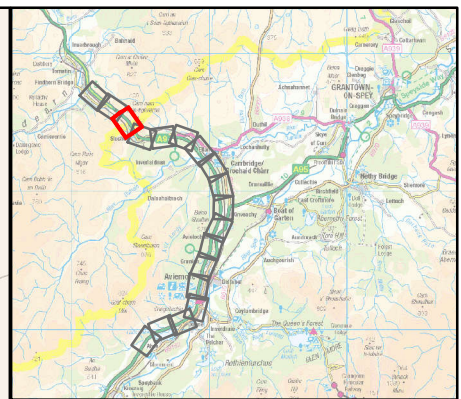
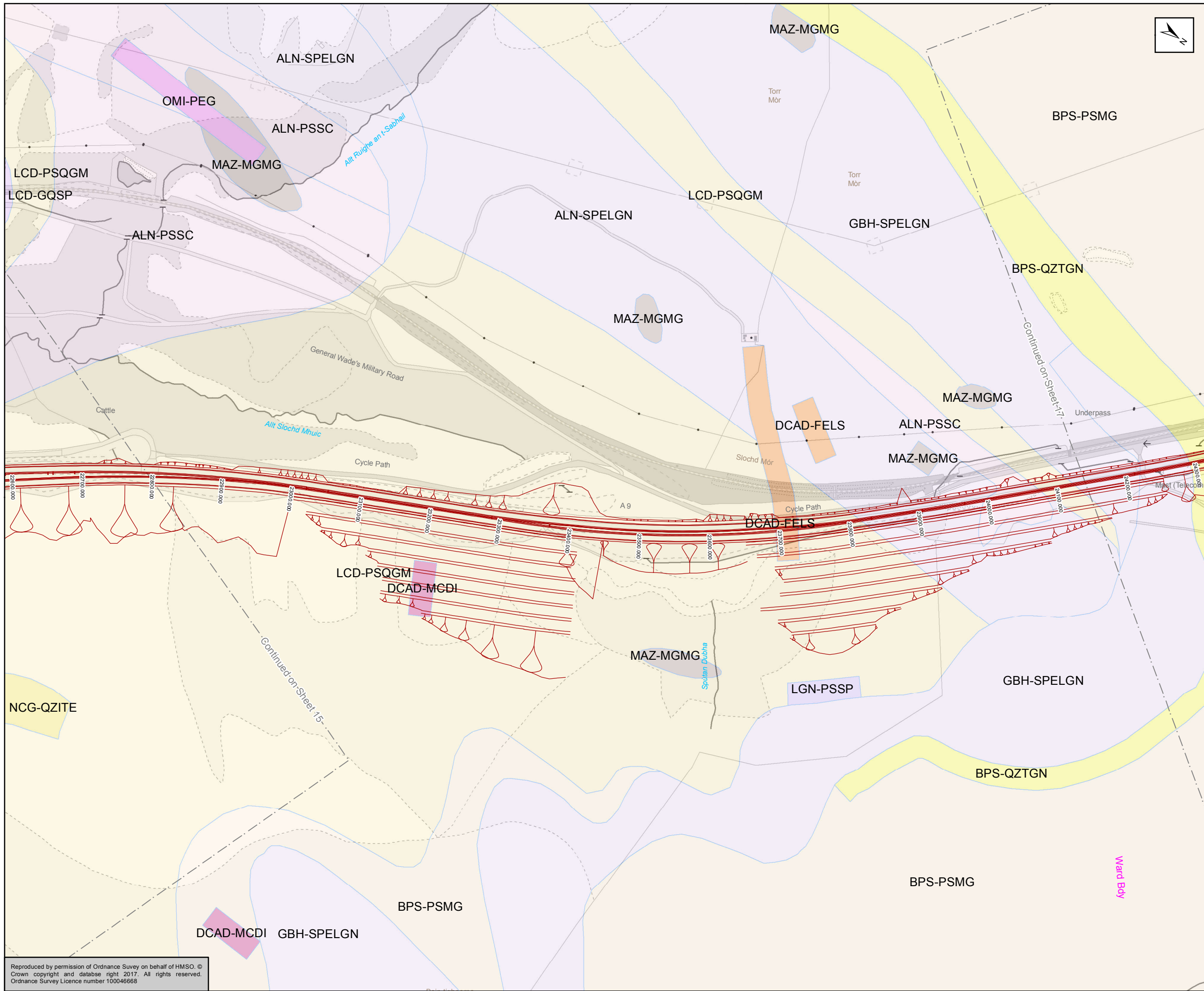
**A9**  
**DUALING**  
PERTH TO INVERNESS  
Dalraddy to Slochd

**ATKINS** mouchel

Figure 5.25o  
Mainline Alignment Option 1  
Solid Geology  
Sheet 15 of 17

Scale	1:5,000	Drawn	JD	Checked	KP	Approved	MD	Authorised	RG
Document Number	Project		Originator		Volume		Revision		
	A9P11-AMJ-EGT-E_ZZZZZ_XZ-DR-GI-0033		P03						
Location	Type	Role	Number						

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Mainline Option 1 (Southbound Widening)

**Bedrock Geology**

SDCAD-FELS	NORTH BRITAIN SILURO-DEVONIAN CALC-ALKALINE DYKE SUITE - FELSITE
SDCAD-MCDI	NORTH BRITAIN SILURO-DEVONIAN CALC-ALKALINE DYKE SUITE - MICRODIORITE
HOMI-PEG	SCOTTISH HIGHLAND ORDOVICIAN MINOR INTRUSION SUITE - PEGMATITE
BBPS-PSMG	BEINN BHREAC PSAMMITE FORMATION - PSAMMITE, GNEISSOSE-MICACEOUS
BBPS-QZTGN	BEINN BHREAC PSAMMITE FORMATION - QUARTZITE, GNEISSOSE
GGBH-SPELGN	CREAG BUIDHE SEMIPELITE FORMATION - SEMIPELITE, GNEISSOSE
DALN-PSSC	DALRADIAN SUPERGROUP - PSAMMITE, SEMIPELITE AND CALCISILICATE-ROCK
DALN-SPELGN	DALRADIAN SUPERGROUP - SEMIPELITE, GNEISSOSE
KNCG-QZITE	KINCRAIG FORMATION - QUARTZITE
LLGN-PSSP	LOCH LAGGAN PSAMMITE FORMATION - PSAMMITE AND SEMIPELITE
SLCD-GQSP	SLOCHD PSAMMITE FORMATION - GNEISSOSE QUARTZITE AND GNEISSOSE SEMIPELITE
SLCD-PSQGM	SLOCHD PSAMMITE FORMATION - PSAMMITE, QUARTZOSE-GNEISSOS...
UMAZ-MGMG	UNNAMED METAMORPHIC ROCKS, NEOPROTEROZOIC - METAGABBRO AND METAMICROGABBRO

Kilometres  
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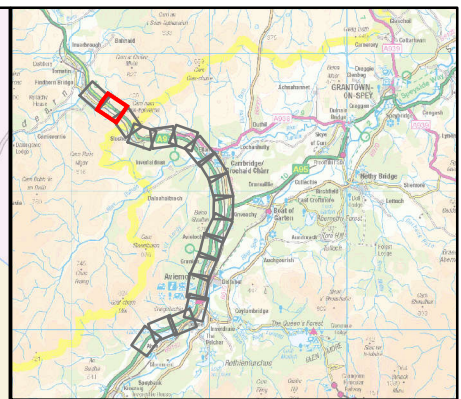
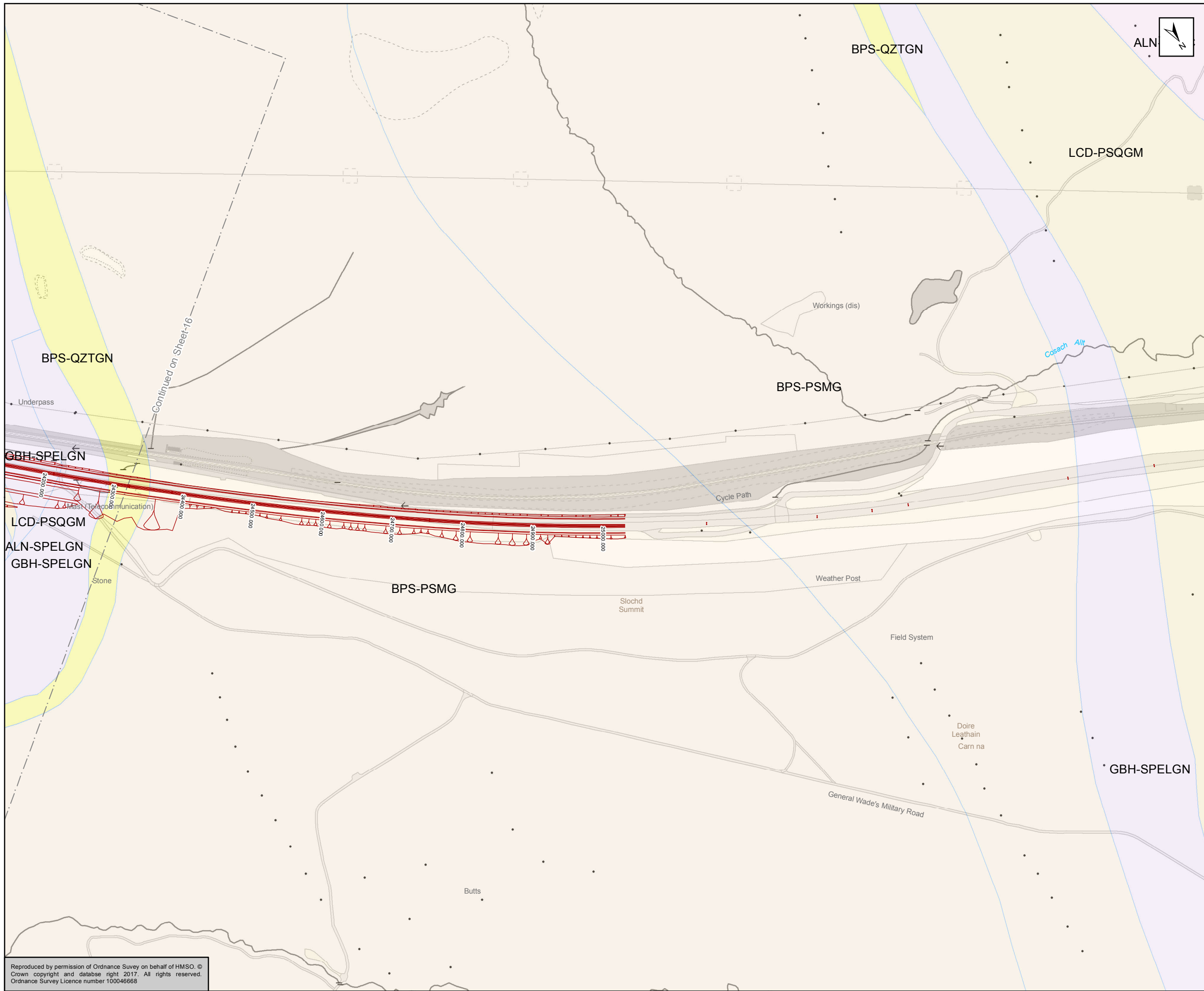
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Figure 5.25p  
Mainline Alignment Option 1  
Solid Geology  
Sheet 16 of 17

Scale	1:5,000	Drawn	JD	Checked	KP	Approved	MD	Authorised	RG	
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Project	Originator	Volume								
Location	Type	Role	Number							

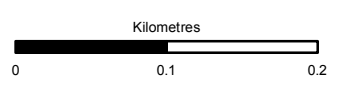
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**Mainline Option 1 (Southbound Widening)**

**Bedrock Geology**

BBPS-PSMG	BEINN BHREAC PSAMMITE FORMATION - PSAMMITE, GNEISSOSE-MICACEOUS
BBPS-QZTGN	BEINN BHREAC PSAMMITE FORMATION - QUARTZITE, GNEISSOSE
CGBH-SPELGN	CREAG BUIDHE SEMIPELITE FORMATION - SEMIPELITE, GNEISSOSE
DALN-PSSC	DALRADIAN SUPERGROUP - PSAMMITE, SEMIPELITE AND CALCISILICATE-ROCK
DALN-SPELGN	DALRADIAN SUPERGROUP - SEMIPELITE, GNEISSOSE
SLCD-PSQGM	SLOCHD PSAMMITE FORMATION - PSAMMITE, QUARTZOSE-GNEISSOS...



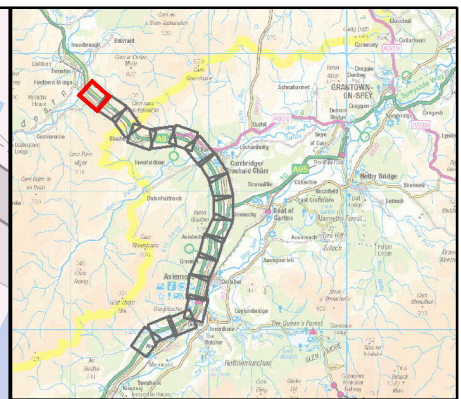
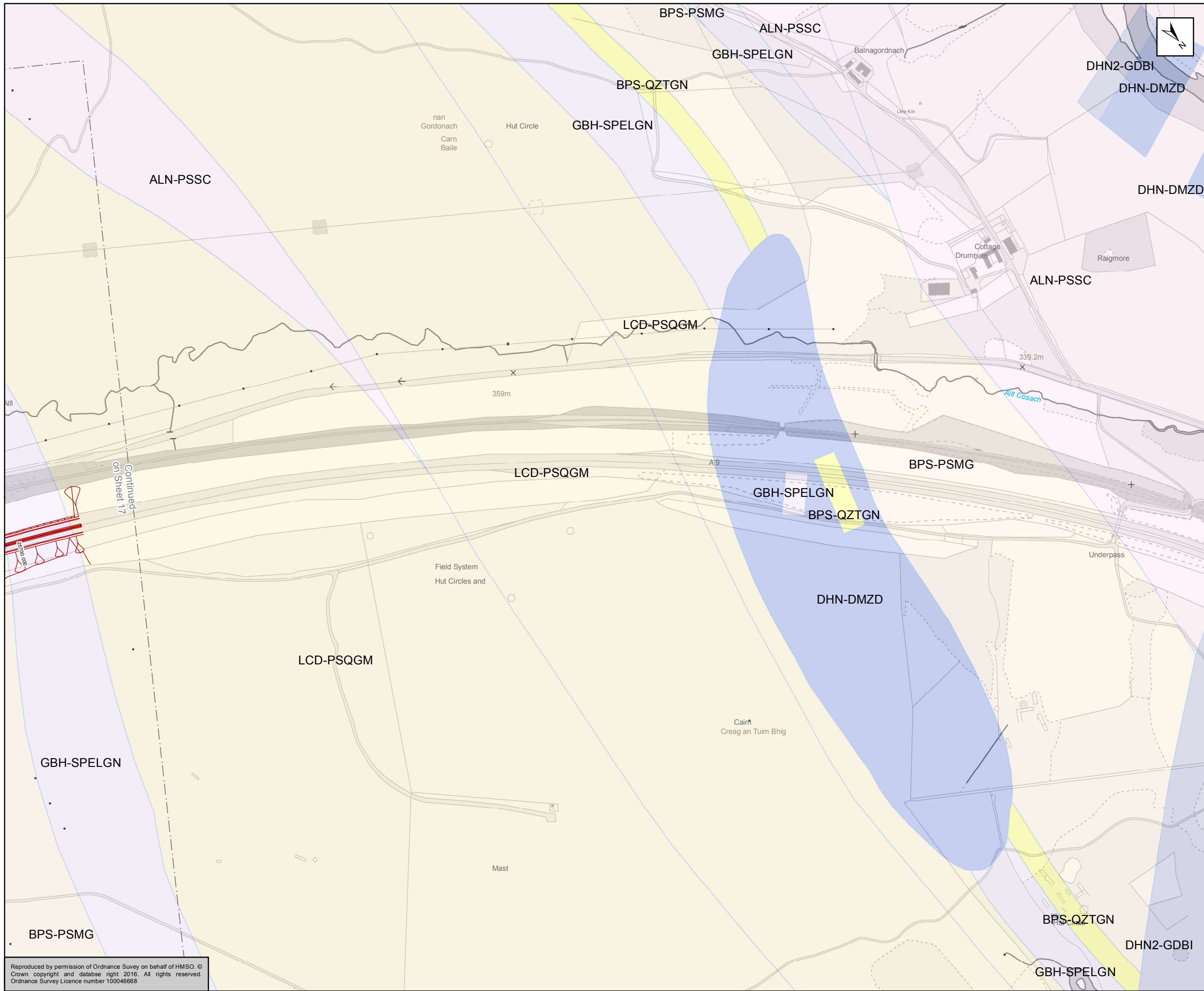
Status	FINAL	Subsidiary	B
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Figure 5.25q  
Mainline Alignment Option 1  
Solid Geology  
Sheet 17 of 17

Scale	1:5,000	Drawn	JD	Checked	KP	Approved	MD	Authorised	RG
Document Number	A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0035							Revision	P03
Project	Originator	Volume							
Location	Type	Role	Number						

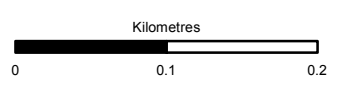
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**Mainline Option 1 (Southbound Widening)**

**Bedrock Geology**

FDHN-DMZD	FINDHORN PLUTON - DIORITE AND MONZODIORITE
FDHN2-GDBI	FINDHORN PLUTON, PHASE 2 - GRANODIORITE, BIOTITE
BBPS-PSMG	BEINN BHREAC PSAMMITE FORMATION - PSAMMITE, GNEISSOSE-MICACEOUS
BBPS-QZTGN	BEINN BHREAC PSAMMITE FORMATION - QUARTZITE, GNEISSOSE
CGBH-SPELGN	CREAG BUIDHE SEMIPELITE FORMATION - SEMIPELITE, GNEISSOSE
DALN-PSSC	DALRADIAN SUPERGROUP - PSAMMITE, SEMIPELITE AND CALCSILICATE-ROCK
SLCD-PSQGM	SLOCHD PSAMMITE FORMATION - PSAMMITE, QUARTZOSE-GNEISSOS...



Status: FOR REVIEW AND COMMENT  
 Substability: S3

Client: **TRANSPORT SCOTLAND**  
 Project of The Scottish Government



ATKINS mouchel

Figure 5.25r  
 Mainline Alignment Option 1  
 Solid Geology  
 Sheet 18 of 18

Scale: 1:5,000	Drawn: JD	Checked: KP	Approved: MD	Authorised: RG
Document Number: A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0036	Project Originator: A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0036	Volume: P01	Revision: P01	
Location:	Type:	Role:	Number:	

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