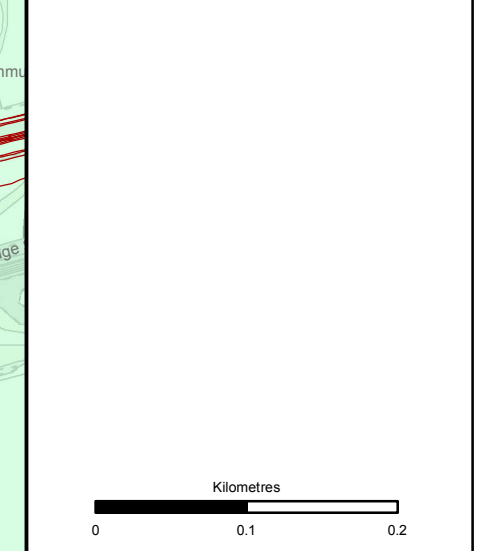


- Mainline Option 1 (Southbound Widening)
- Superficial Geology**
- ALV ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
  - TILLD TILL, DEVENSIAN - DIAMICTON
  - HMGD HUMMOCKY (MOUNDY) GLACIAL DEPOSITS - DIAMICTON, SAND AND GRAVEL
  - GFSD GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT
  - PEAT PEAT - PEAT



Status: FINAL Substation: B

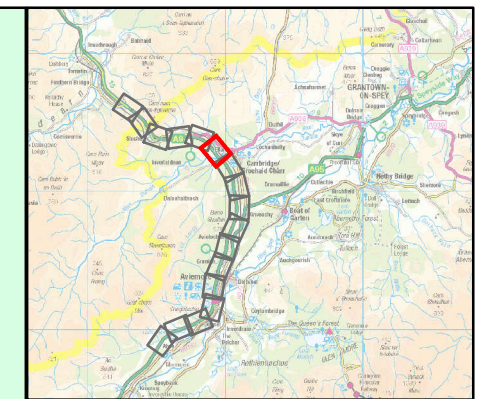
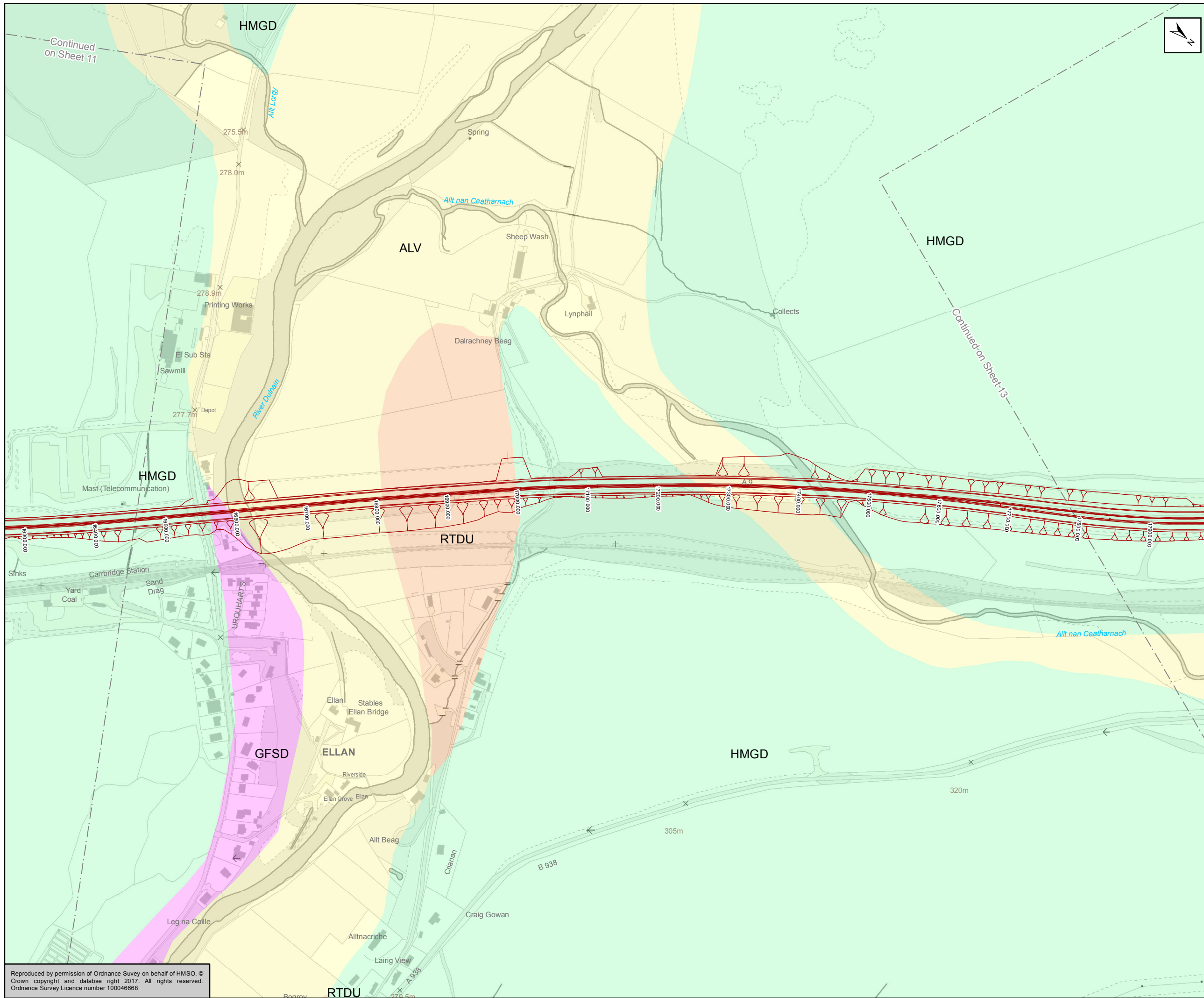


Figure 5.22k  
Mainline Alignment Option 1  
Superficial Geology  
Sheet 11 of 17

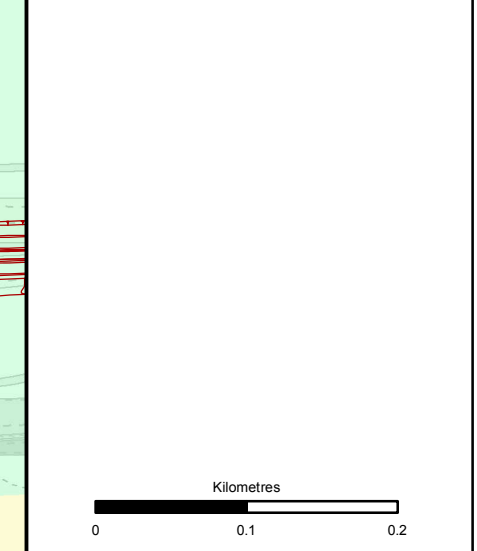
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Document Number	A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0065			Project	Originator	Volume	P03		
Location	Type	Role	Number						

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- Mainline Option 1 (Southbound Widening)
- Superficial Geology**
- ALV ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
  - HMGD HUMMOCKY (MOUNDY) GLACIAL DEPOSITS - DIAMICTON, SAND AND GRAVEL
  - GFSD GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT
  - RTDU RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - GRAVEL, SAND, SILT AND CLAY



Status: FINAL Substage: B

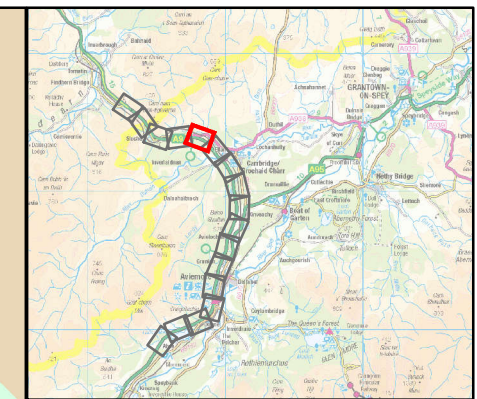
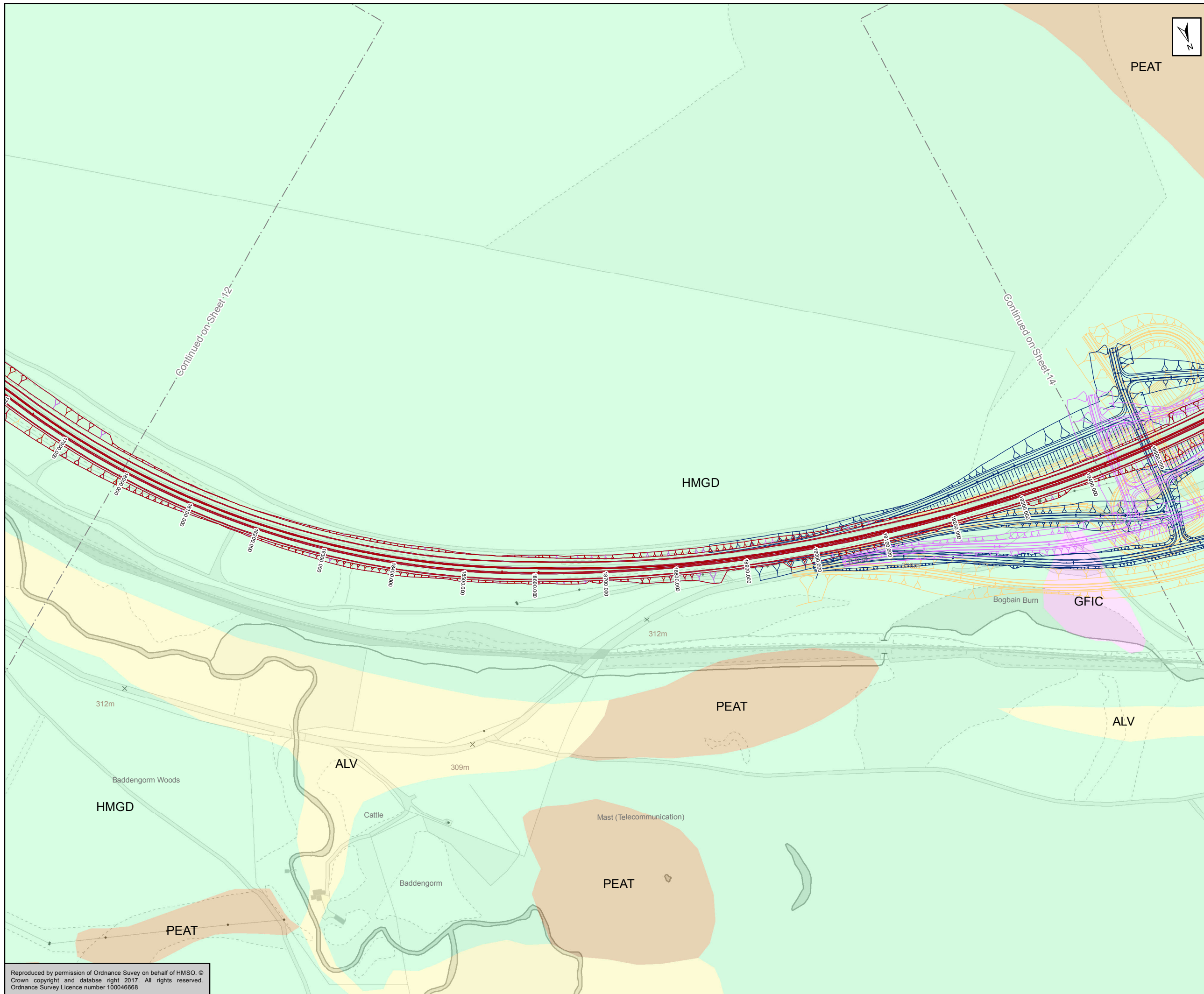


Figure 5.221  
Mainline Alignment Option 1  
Superficial Geology  
Sheet 12 of 17

Scale: 1:5,000	Drawn: JD	Checked: KP	Approved: MD	Authorised: RG
Document Number: A9P11-AMJ-EGT-E_ZZZZZ_X-DR-GI-0066	Project Originator: A9P11-AMJ-EGT-E_ZZZZZ_X-DR-GI-0066	Volume: P03	Revision: P03	
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  
**Superficial Geology**  
 ALV ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 HMGD HUMMOCKY (MOUNDY) GLACIAL DEPOSITS - DIAMICTON, SAND AND GRAVEL  
 GFIC GLACIOFLUVIAL ICE CONTACT DEPOSITS - GRAVEL, SAND AND SILT  
 PEAT PEAT - PEAT

Kilometres  
0 0.1 0.2

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

**A9 DUALLING**  
 PERTH TO INVERNESS  
 Dalraddy to Stochd

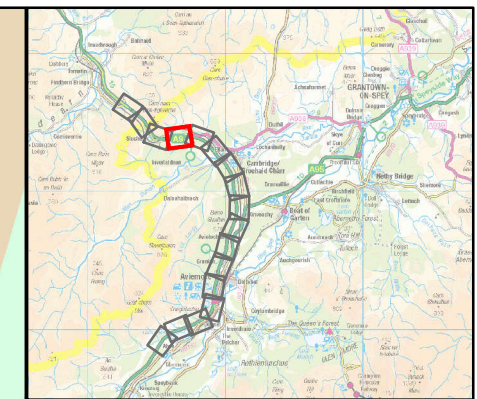
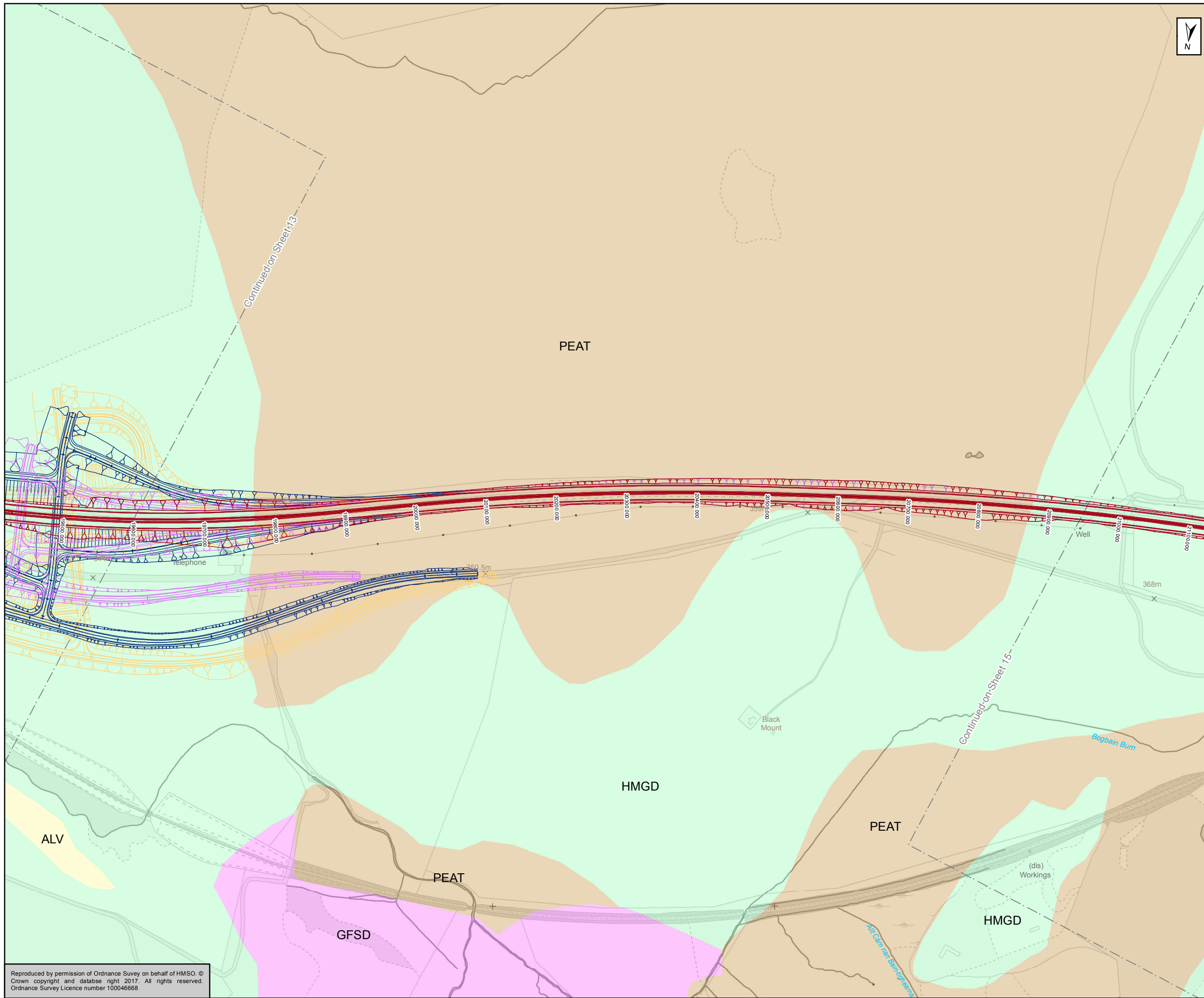
**ATKINS mouchel**

Figure 5.22m  
 Mainline Alignment Option 1  
 Superficial Geology  
 Sheet 13 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)  
**Black Mount Southbound Junctions Options**  
 D03 - Restricted Movements Diamond  
 D12 - Diamond with Left Right Stagger  
 D51 - Half Cloverleaf - Quadrants 2 & 4  
**Superficial Geology**  
 ALV ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 HMGD HUMMOCKY (MOUNDY) GLACIAL DEPOSITS - DIAMICTON, SAND AND GRAVEL  
 GFSD GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT  
 PEAT PEAT - PEAT

Kilometres	
0	0.1 0.2

Status	FINAL	Subsidiarity	B
Client	TRANSPORT SCOTLAND COMHDHAIL ALBA		

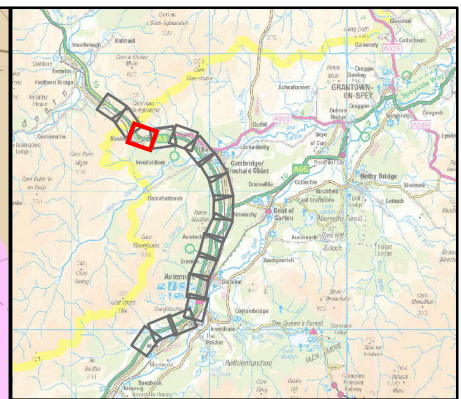
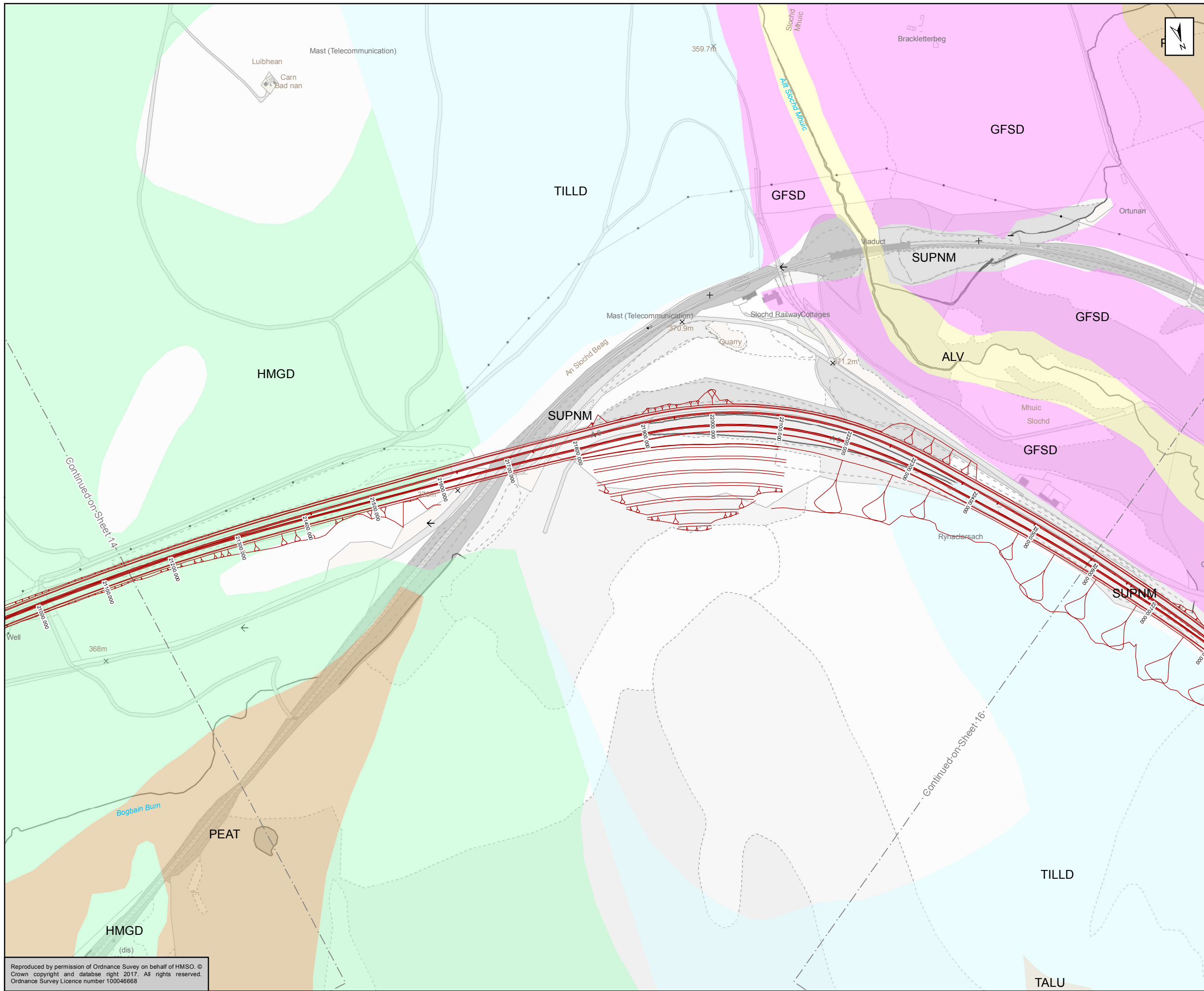


Figure 5.22n  
 Mainline Alignment Option 1  
 Superficial Geology  
 Sheet 14 of 17

Scale	1:5,000	Drawn	JD	Checked	KP	Approved	MD	Authorised	RG
Document Number	A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0068							Revision	P03
Project	Originator	Volume							
Location	Type	Role	Number						

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**Mainline Option 1 (Southbound Widening)**

**Superficial Geology**

- ALV ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
- TILLD TILL, DEVENSIAN - DIAMICTON
- HMGD HUMMOCKY (MOUNDY) GLACIAL DEPOSITS - DIAMICTON, SAND AND GRAVEL
- GFSD GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT
- PEAT PEAT - PEAT
- TALU TALUS - ROCK FRAGMENTS, ANGULAR, UNDIFFERENTIATED SOURCE ROCK

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

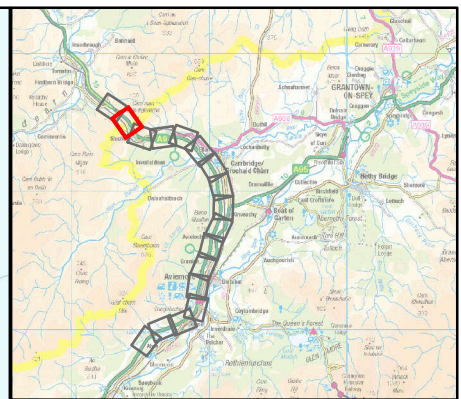
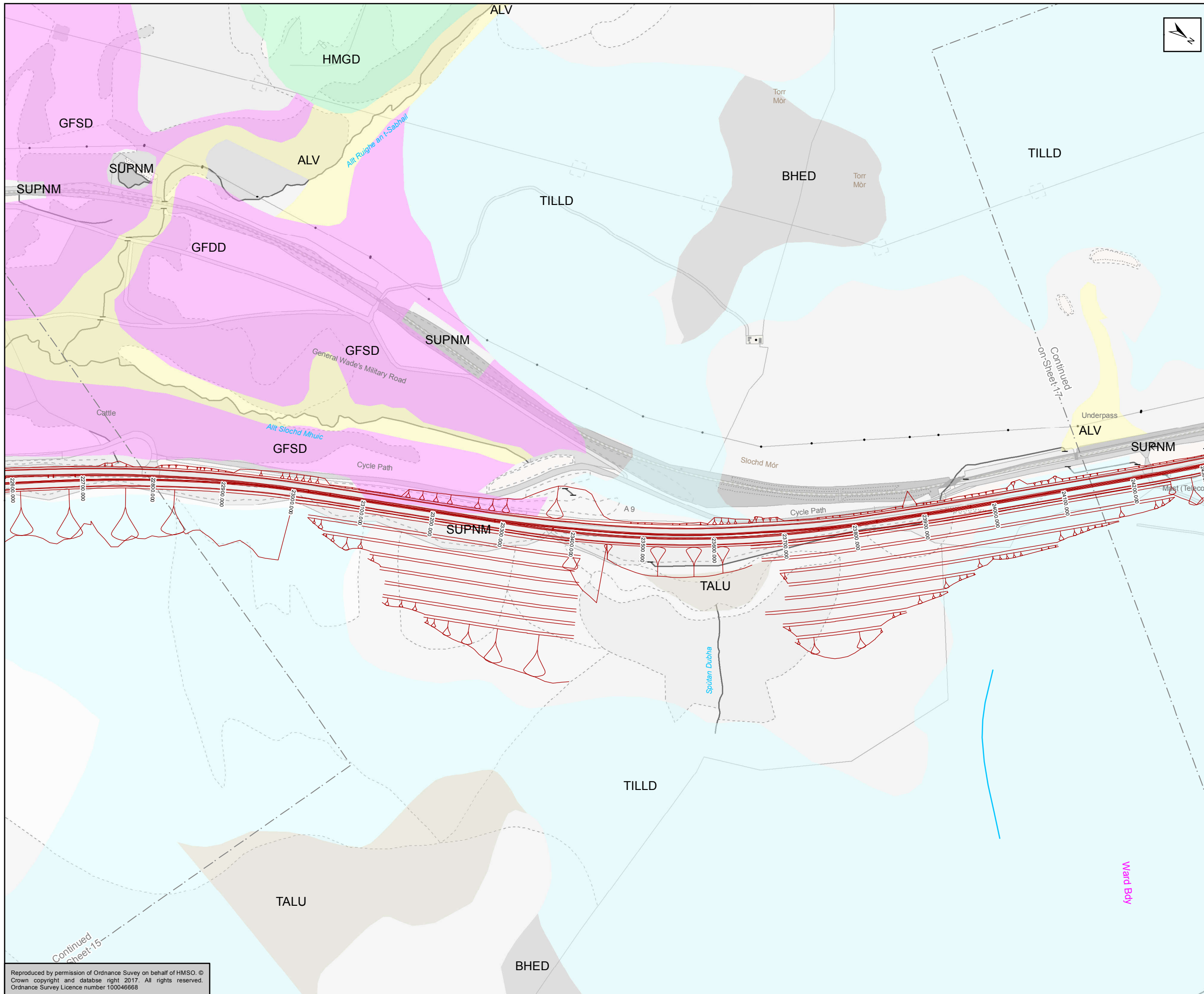
**ATKINS** mouchel

Figure 5.22o  
Mainline Alignment Option 1  
Superficial Geology  
Sheet 15 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)**

**Linear Features**

- Glacial meltwater channel
- centre line, undifferentiated

**Superficial Geology**

- ALV ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
- TILLD TILL, DEVENSIAN - DIAMICTON
- HMGD HUMMOCKY (MOUNDY) GLACIAL DEPOSITS - DIAMICTON, SAND AND GRAVEL
- BHED BLANKET HEAD - ROCK FRAGMENTS, ANGULAR, UNDIFFERENTIATED SOURCE ROCK
- GFDD GLACIOFLUVIAL DELTAIC (AND/OR SUBAQUEOUS FAN) DEPOSITS - GRAVEL, SAND AND SILT
- GFSD GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT
- TALU TALUS - ROCK FRAGMENTS, ANGULAR, UNDIFFERENTIATED SOURCE ROCK

Kilometres

0 0.1 0.2

Status	FINAL	Subsidiary	B
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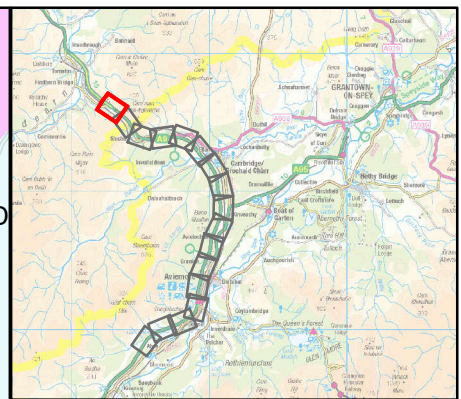
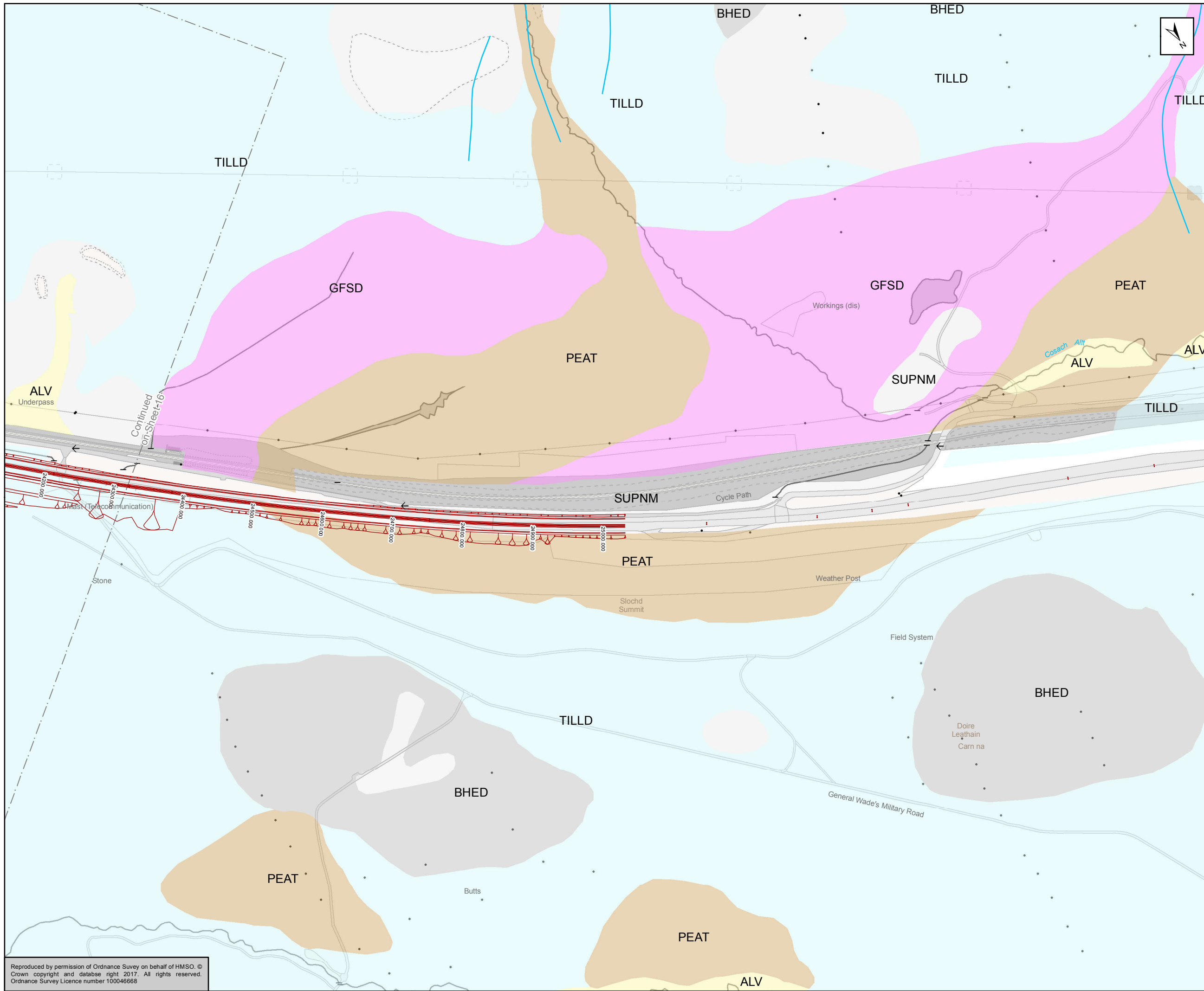


Figure 5.22p  
Mainline Alignment Option 1  
Superficial Geology  
Sheet 16 of 17

Scale	1:5,000	Drawn	JD	Checked	KP	Approved	MD	Authorised	RG
Document Number	A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0070							Revision	P03
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**Mainline Option 1 (Southbound Widening)**

**Linear Features**

- Glacial meltwater channel centre line, undifferentiated

**Superficial Geology**

- ALV ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
- TILLD TILL, DEVANSIAN - DIAMICTON
- BHED BLANKET HEAD - ROCK FRAGMENTS, ANGULAR, UNDIFFERENTIATED SOURCE ROCK
- GFSD GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT
- PEAT PEAT - PEAT

Kilometres  
0 0.1 0.2

Status	FINAL	Subsidiary	B
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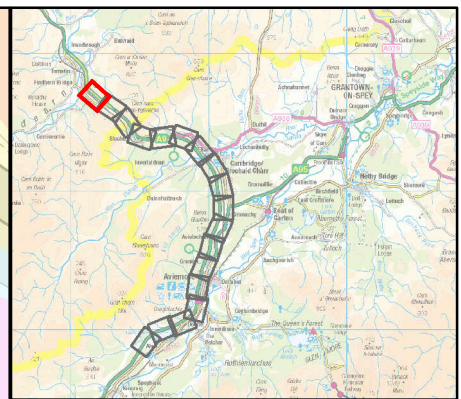
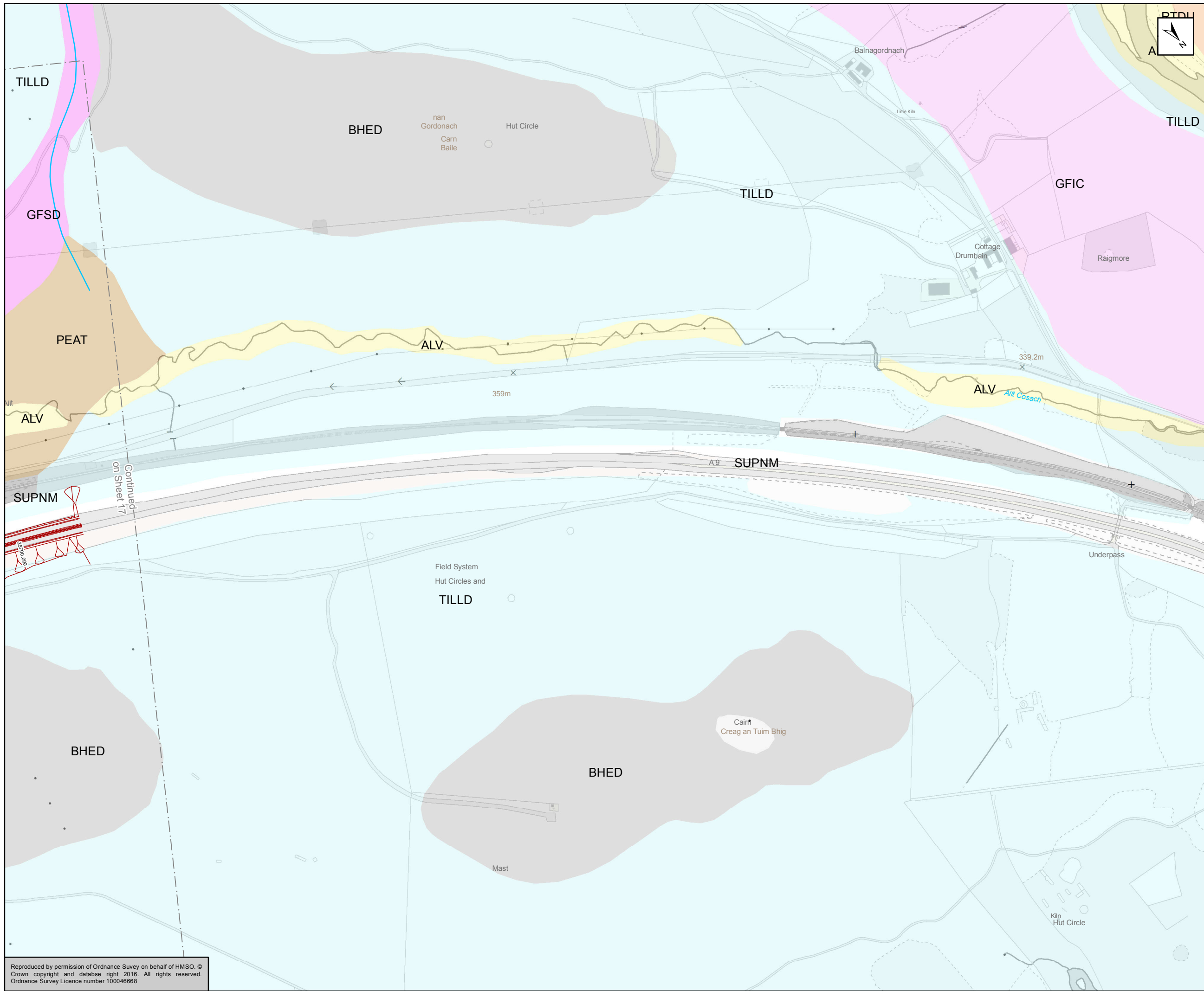


Figure 5.22q  
Mainline Alignment Option 1  
Superficial Geology  
Sheet 17 of 17

Scale	1:5,000	Drawn	JD	Checked	KP	Approved	MD	Authorised	RG
Document Number	A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0071							Revision	P03
Project	Originator	Volume							
Location	Type	Role	Number						

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**Mainline Option 1 (Southbound Widening)**

**Linear Features**

- Glacial meltwater channel centre line, undifferentiated

**Superficial Geology**

- ALV ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
- TILLD TILL, DEVENSIAN - DIAMICTON
- BHED BLANKET HEAD - ROCK FRAGMENTS, ANGULAR, UNDIFFERENTIATED SOURCE ROCK
- GFIC GLACIOFLUVIAL ICE CONTACT DEPOSITS - GRAVEL, SAND AND SILT
- GFSD GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT
- PEAT PEAT - PEAT
- RTDU RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - GRAVEL, SAND, SILT AND CLAY

Kilometres  
0 0.1 0.2

Status: FOR REVIEW AND COMMENT Substage: S3

Client: **TRANSPORT SCOTLAND**  
an agency of The Scottish Government



**ATKINS mouchel**

Figure 5.22r  
Mainline Alignment Option 1  
Superficial 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-0072	Project Originator: A9P11-AMJ-EGT-E_ZZZZZ_XX-DR-GI-0072	Volume: P01	Revision: P01	
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