

Proposed Scheme  
 250m Study Area  
 Cuttings  
**Stage 2 GI Locations**  
 Borehole without Groundwater Level  
 Borehole with Groundwater Level  
**Calculated Radius of Influence**  
 Estimated Groundwater Level  
 Known Groundwater Level  
**Superficial Geology**  
 ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 ALLUVIUM - SAND, GRAVEL AND BOULDERS  
 GLACIOFLUVIAL ICE CONTACT DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY  
 LACUSTRINE DEPOSITS - SAND, SILT AND CLAY

Scale	0	0.1	0.2
-------	---	-----	-----

Status	FINAL	Subsidiary	B
--------	-------	------------	---

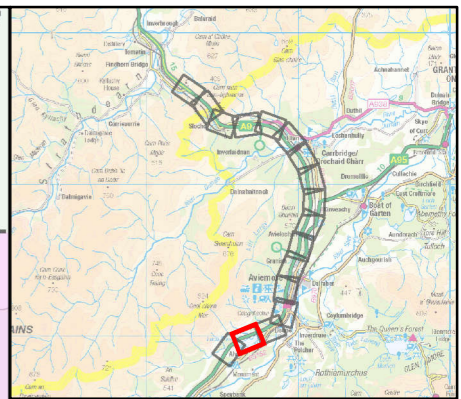
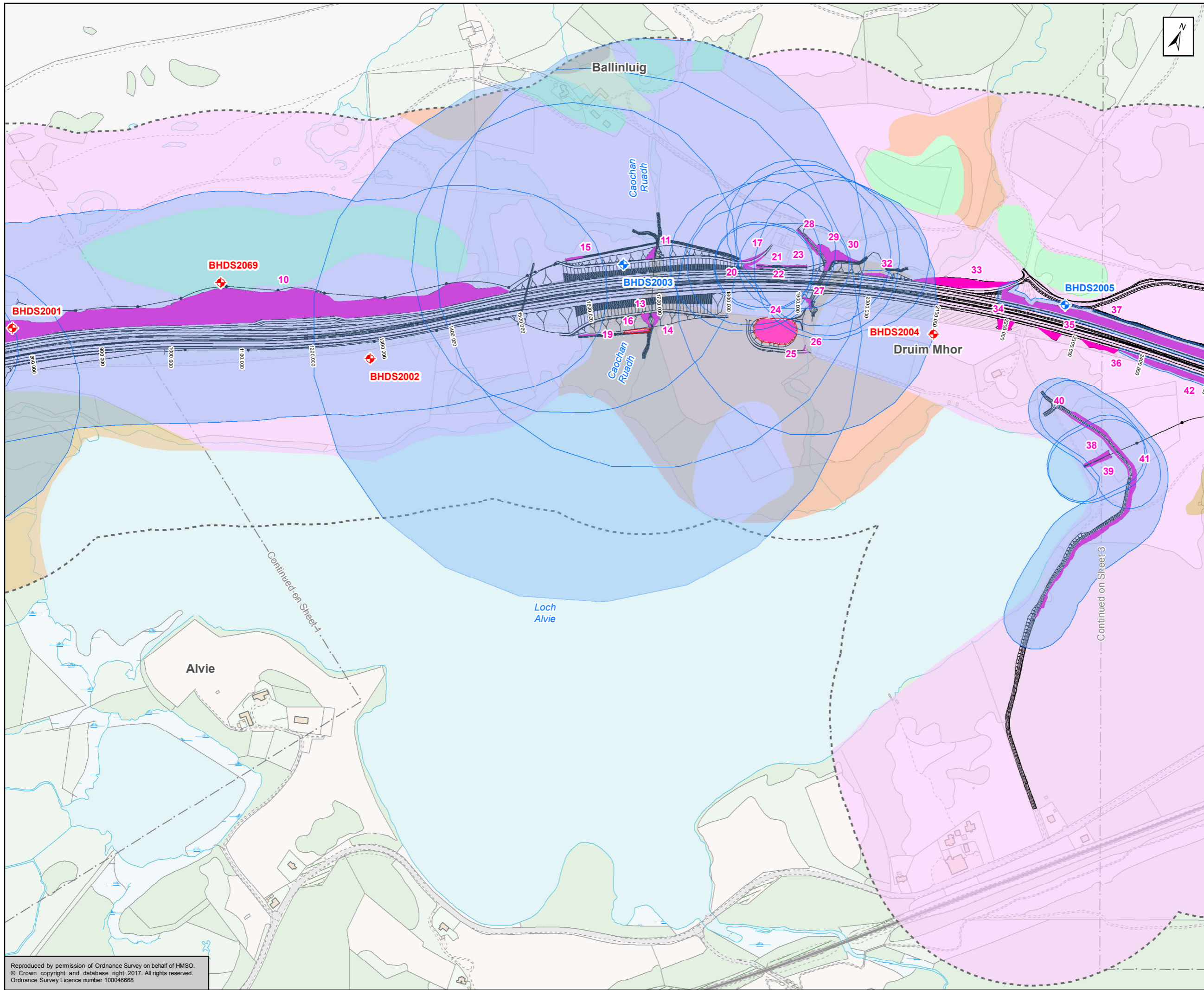


Figure A10.4.1  
 Cuttings Radius of Influence  
 and Superficial Geology  
 Sheet 1 of 17

Scale	1:5,000	Drawn	MM	Checked	UC	Approved	ROB	Authorised	SB	
Document Number	A9P11-AMJ-EGT-H_ZZZZZ_XZ-DR-GI-0098								Revision	P04
Project	Originator	Volume								
Location	Type	Role								

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
 © Crown copyright and database right 2017. All rights reserved.  
 Ordnance Survey Licence number 100046668





Proposed Scheme  
 250m Study Area  
 Cuttings  
**Stage 2 GI Locations**  
 Borehole without Groundwater Level  
 Borehole with Groundwater Level  
**Calculated Radius of Influence**  
 Estimated Groundwater Level  
 Known Groundwater Level  
**Superficial Geology**  
 ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 ALLUVIUM - SAND, GRAVEL AND BOULDERS  
 GLACIOFLUVIAL ICE CONTACT DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY  
 LACUSTRINE DEPOSITS - SAND, SILT AND CLAY  
 PEAT - PEAT  
 Kilometres  
0 0.1 0.2

Status	FINAL	Subsidiary	B
--------	-------	------------	---

**TRANSPORT SCOTLAND**  
 COMHDHAIL ALBA

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

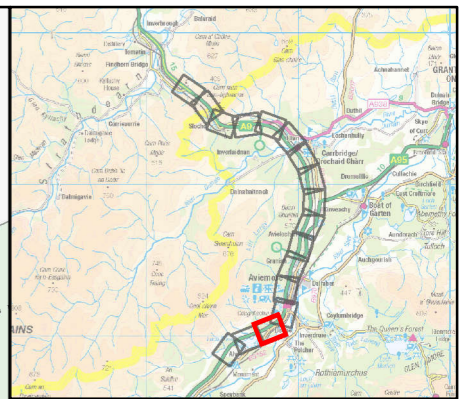
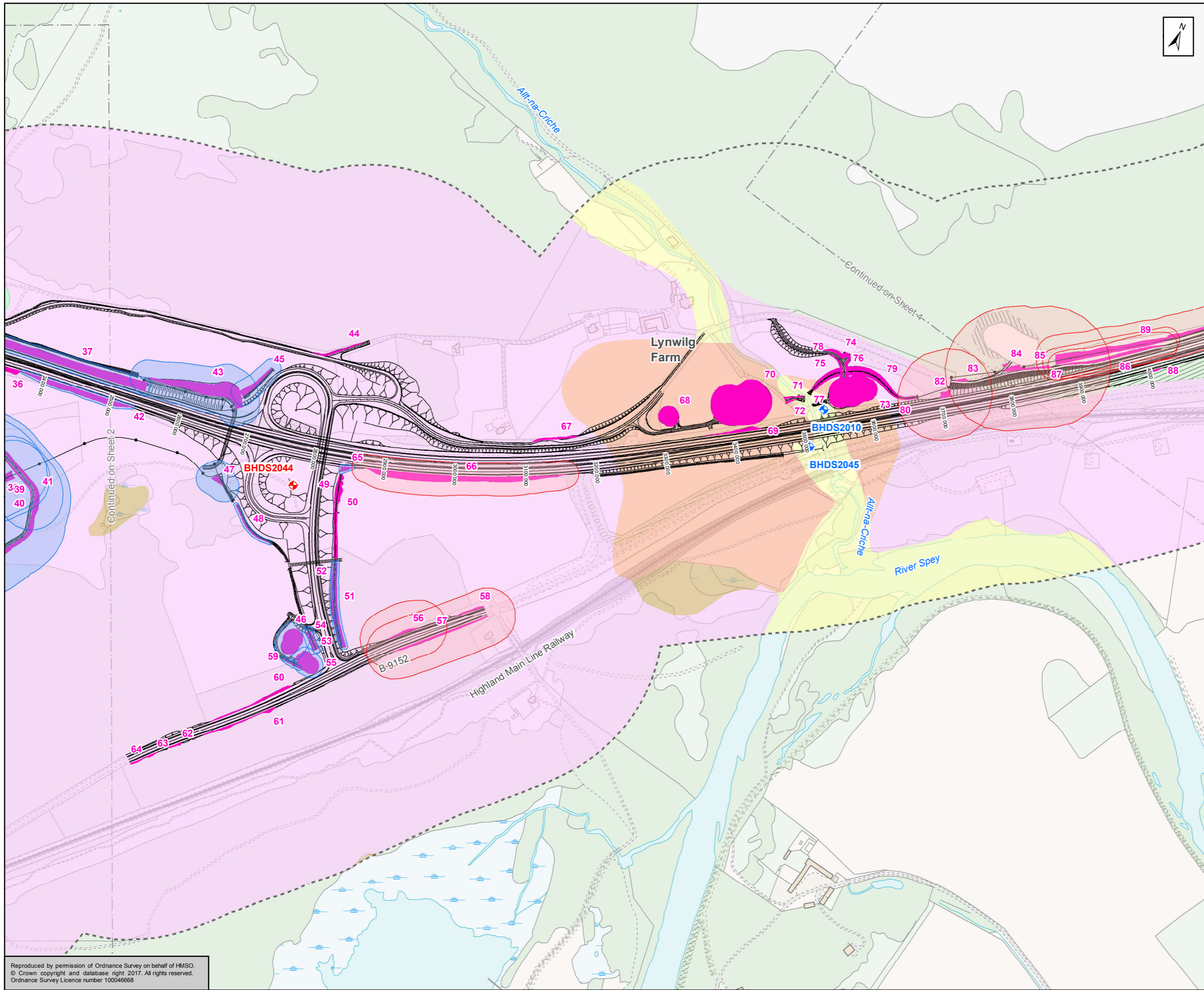
**ATKINS mouchel**

Figure A10.4.1  
 Cuttings Radius of Influence  
 and Superficial Geology  
 Sheet 2 of 17

Scale	1:5,000	Drawn	MM	Checked	UC	Approved	ROB	Authorised	SB
Document Number	A9P11-AMJ-EGT-H_ZZZZZ_XX-DR-GI-0099							Revision	P04
Project	Originator	Volume							
Location	Type	Role							

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
 © Crown copyright and database right 2017. All rights reserved.  
 Ordnance Survey Licence number 100046668





Proposed Scheme  
 250m Study Area  
 Cuttings  
**Stage 2 GI Locations**  
 Borehole without Groundwater Level  
 Borehole with Groundwater Level  
**Calculated Radius of Influence**  
 Estimated Groundwater Level  
 Known Groundwater Level  
**Superficial Geology**  
 ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 ALLUVIUM - SAND, GRAVEL AND BOULDERS  
 GLACIOFLUVIAL ICE CONTACT DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY  
 PEAT - PEAT  
 RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - SAND AND GRAVEL

Status	FINAL	Suitability	B
--------	-------	-------------	---

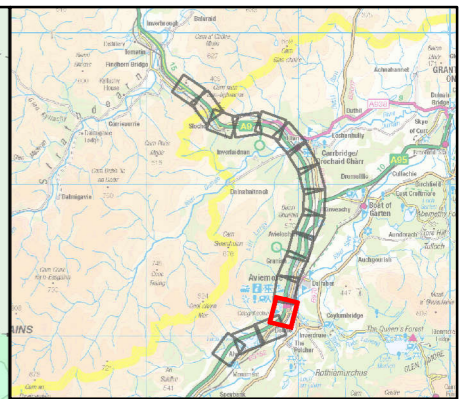
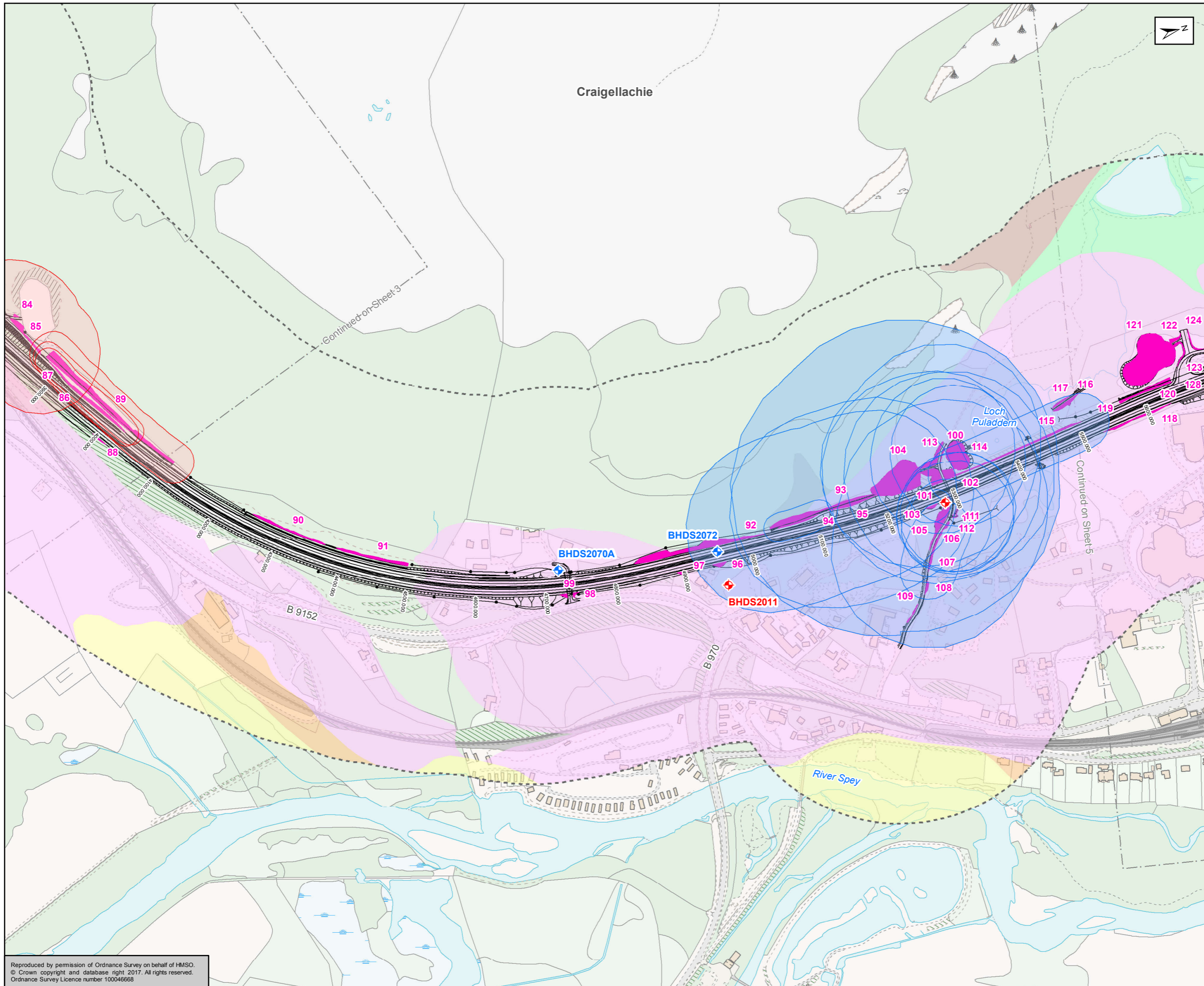


Figure A10.4.1  
 Cuttings Radius of Influence  
 and Superficial Geology  
 Sheet 3 of 17

Scale	1:5,000	Drawn	MM	Checked	UC	Approved	ROB	Authorised	SB
Document Number	A9P11-AMJ-EGT-H_ZZZZZX-DR-GI-0100							Revision	P04
Project	Originator	Volume							
Location	Type	Role	Number						

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
 © Crown copyright and database right 2017. All rights reserved.  
 Ordnance Survey Licence number 100046668





~ Proposed Scheme  
 - - - 250m Study Area  
 ■ Cuttings  
**Stage 2 GI Locations**  
 ◆ Borehole without Groundwater Level  
 ◆ Borehole with Groundwater Level  
**Calculated Radius of Influence**  
 ■ Estimated Groundwater Level  
 ■ Known Groundwater Level  
**Superficial Geology**  
 ■ ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 ■ ALLUVIUM - SAND, GRAVEL AND BOULDERS  
 ■ GLACIOFLUVIAL ICE CONTACT DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 ■ GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 ■ HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 ■ ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY  
 ■ BLANKET HEAD - ROCK FRAGMENTS, ANGULAR, UNDIFFERENTIATED SOURCE ROCK  
 ■ HEAD - BOULDERS  
 ■ RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - SAND AND GRAVEL

Kilometres  
 0 0.1 0.2

Status	FINAL	Subsidiary	B
--------	-------	------------	---

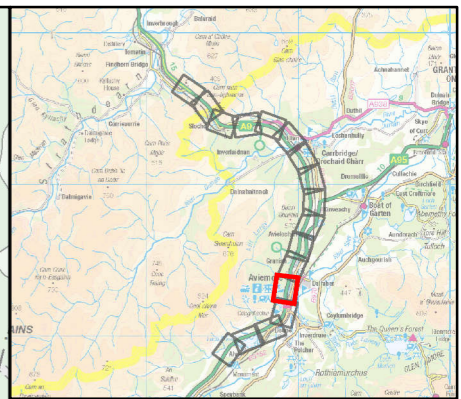
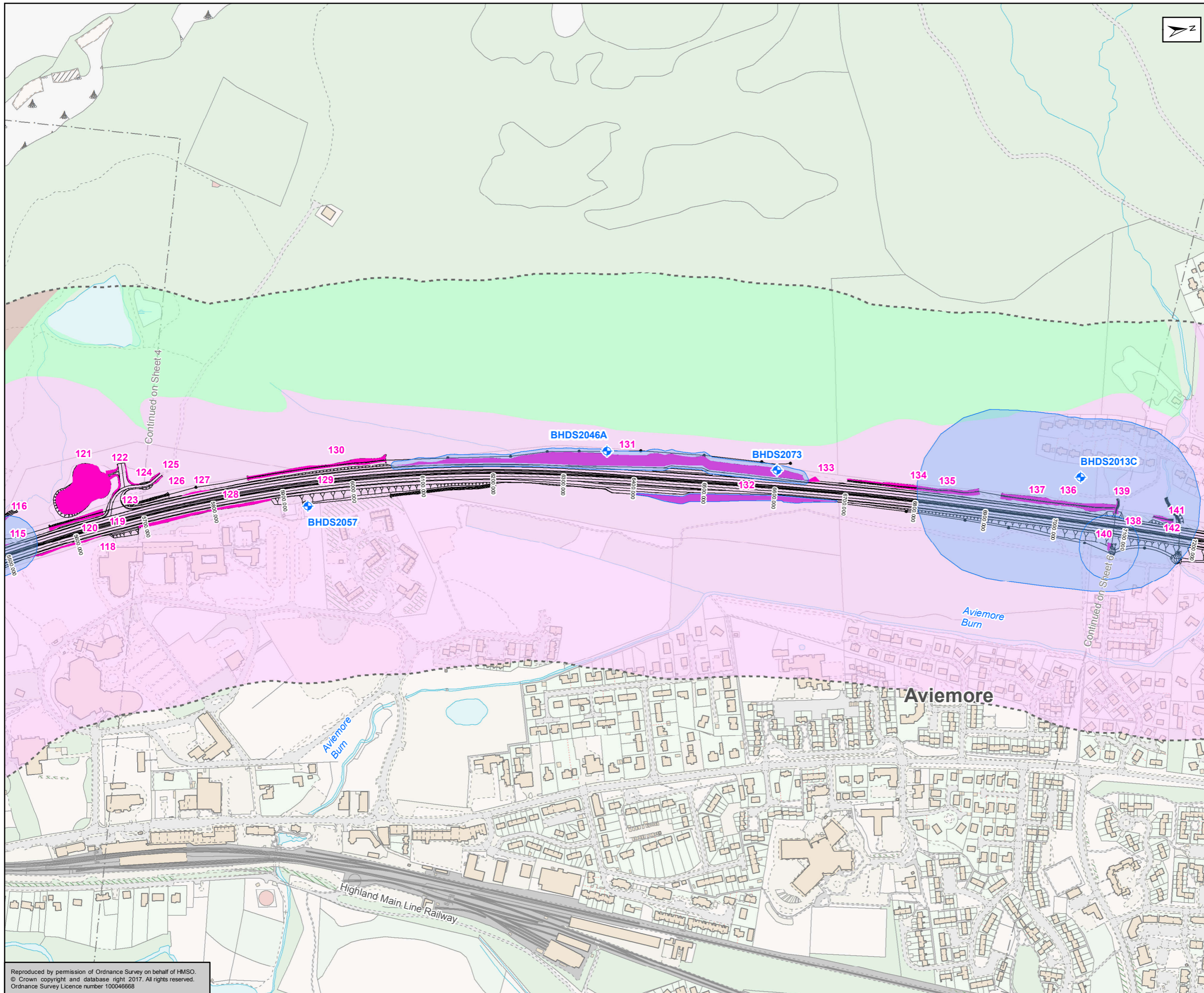


Figure A10.4.1  
 Cuttings Radius of Influence and Superficial Geology  
 Sheet 4 of 17

Scale	1:5,000	Drawn	MM	Checked	UC	Approved	ROB	Authorised	SB
Document Number	A9P11-AMJ-EGT-H_ZZZZZ_XX-DR-GI-0128							Revision	P04
Project	Originator	Volume	Location	Type	Role	Number			

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
 © Crown copyright and database right 2017. All rights reserved.  
 Ordnance Survey Licence number 100046668





Proposed Scheme  
 250m Study Area  
 Cuttings  
**Stage 2 GI Locations**  
 Borehole without Groundwater Level  
 Borehole with Groundwater Level  
**Calculated Radius of Influence**  
 Known Groundwater Level  
**Superficial Geology**  
 ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 ARDVERIKIE TILL FORMATION - DIAMICTON  
 GLACIOFLUVIAL ICE CONTACT DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HEAD - BOULDERS  
 RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - SAND AND GRAVEL

Kilometres  
 0 0.1 0.2

Status	FINAL	Subsidiary	B
--------	-------	------------	---

TRANSPORT SCOTLAND  
 COMHDHAIL ALBA

A9  
 DUALLING  
 PERTH TO INVERNESS  
 Dalraddy to Stochd

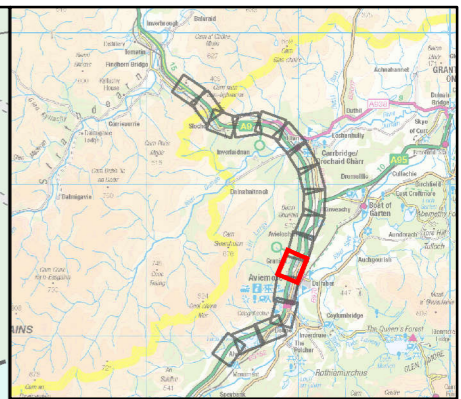
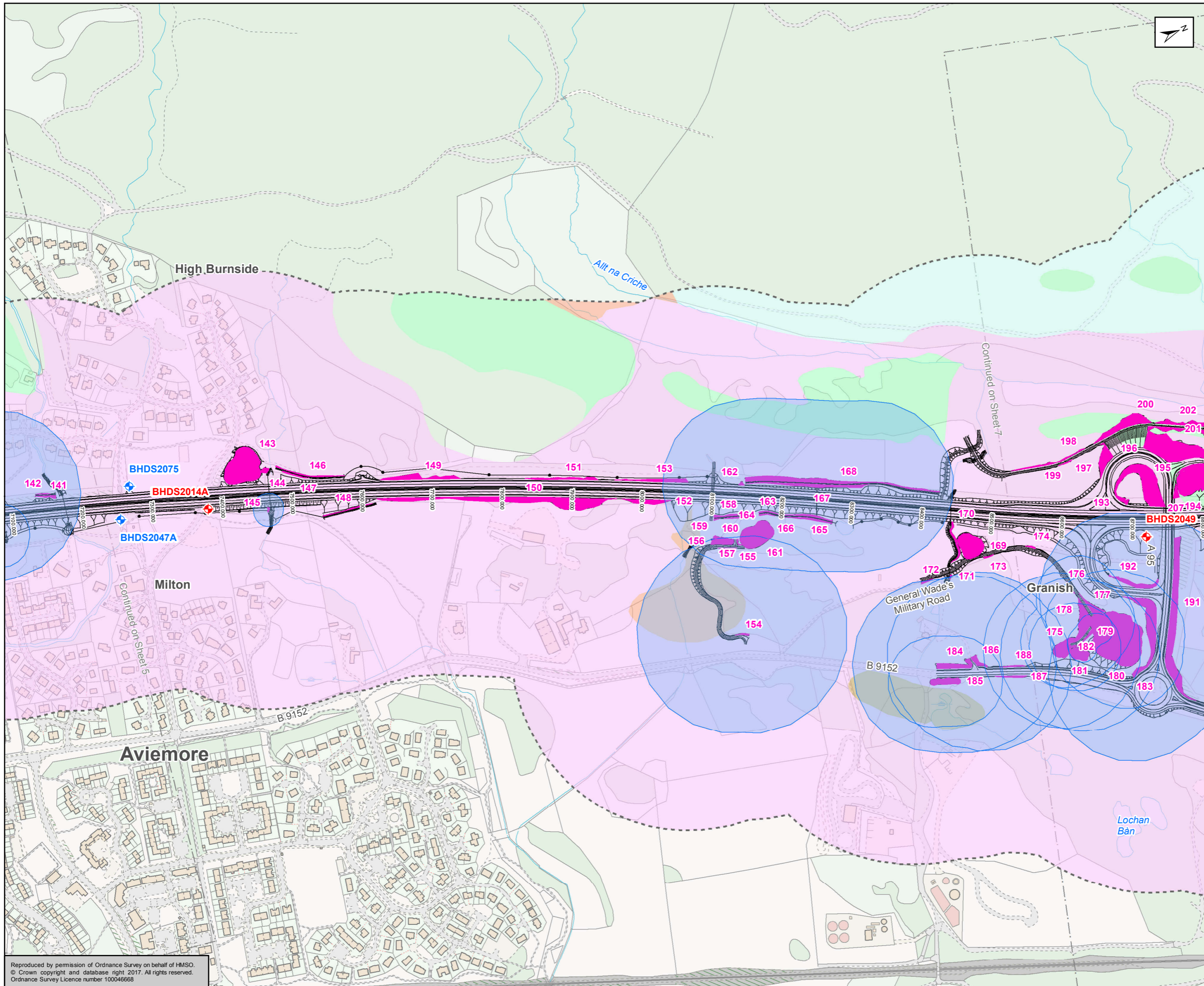
ATKINS mouchel

Figure A10.4.1  
 Cuttings Radius of Influence  
 and Superficial Geology  
 Sheet 5 of 17

Scale	1:5,000	Drawn	MM	Checked	UC	Approved	ROB	Authorised	SB	
Document Number	A9P11-AMJ-EGT-H_ZZZZZ_XX-DR-GI-0129								Revision	P04
Project	Originator	Volume								
Location	Type	Role	Number							

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
 © Crown copyright and database right 2017. All rights reserved.  
 Ordnance Survey Licence number 100046668





Proposed Scheme  
 250m Study Area  
 Cuttings  
**Stage 2 GI Locations**  
 Borehole without Groundwater Level  
 Borehole with Groundwater Level  
**Calculated Radius of Influence**  
 Known Groundwater Level  
**Superficial Geology**  
 ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 ARDVERIKIE TILL FORMATION - DIAMICTON  
 GLACIOFLUVIAL ICE CONTACT DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY  
 PEAT - PEAT  
 RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - SAND AND GRAVEL  
 Kilometres  
0 0.1 0.2

Status	FINAL	Subsidiary	B
--------	-------	------------	---

TRANSPORT SCOTLAND  
 COMHDHAIL ALBA

A9  
 DUALLING  
 PERTH TO INVERNESS  
 Dalraddy to Stochd

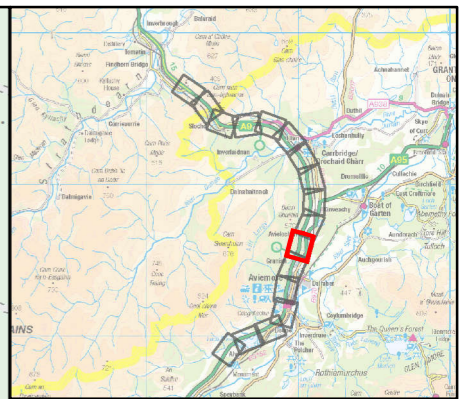
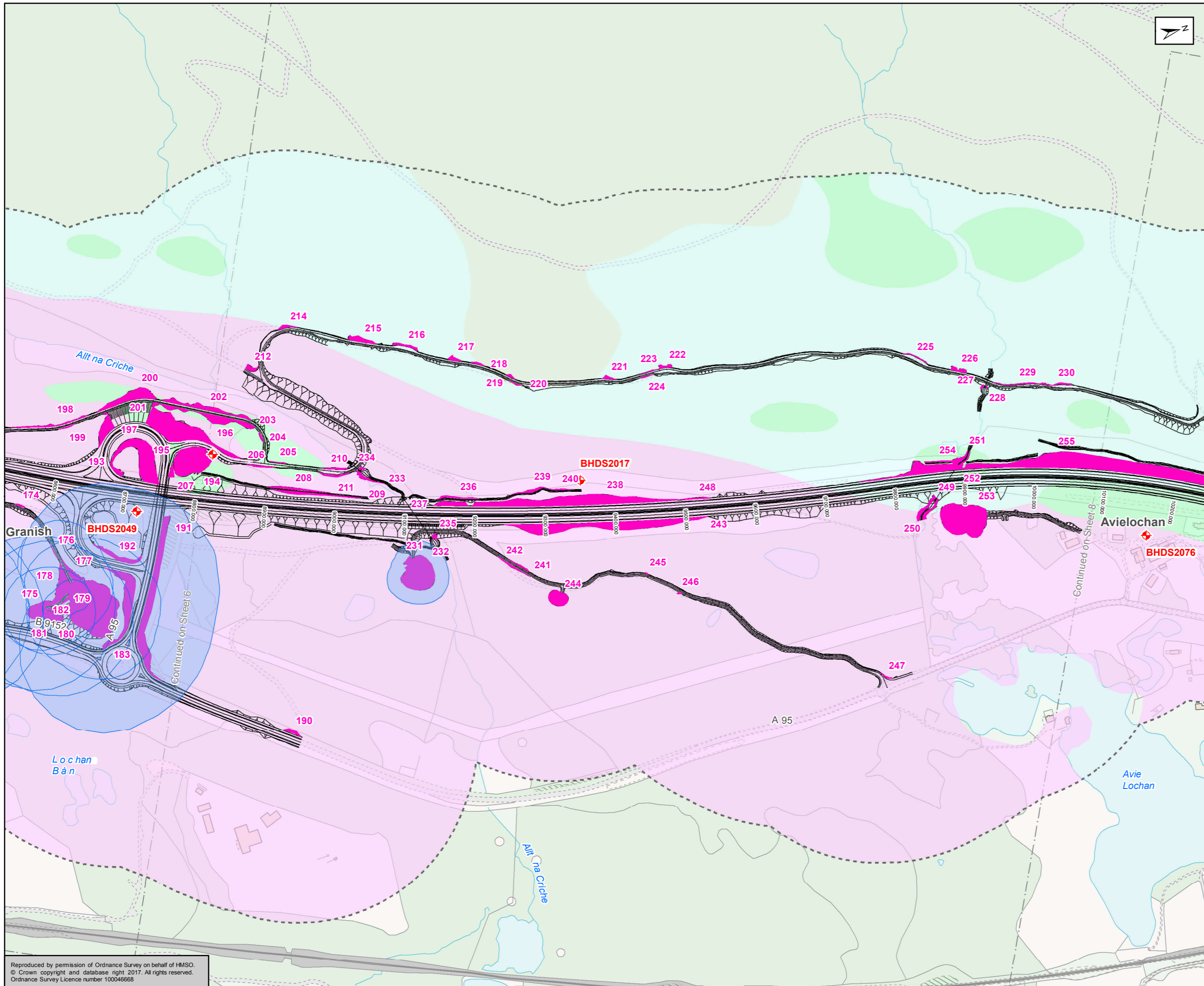
ATKINS mouchel

Figure A10.4.1  
 Cuttings Radius of Influence  
 and Superficial Geology  
 Sheet 6 of 17

Scale	1:5,000	Drawn	MM	Checked	UC	Approved	ROB	Authorised	SB
Document Number	A9P11-AMJ-EGT-H_ZZZZZ_XX-DR-GI-0130							Revision	P04
Project	Originator	Volume							
Location	Type	Role							

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
 © Crown copyright and database right 2017. All rights reserved.  
 Ordnance Survey Licence number 100046668





Proposed Scheme  
 250m Study Area  
 Cuttings  
**Stage 2 GI Locations**  
 Borehole without Groundwater Level  
 Borehole with Groundwater Level  
**Calculated Radius of Influence**  
 Known Groundwater Level  
**Superficial Geology**  
 ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 ARDVERIKIE TILL FORMATION - DIAMICTON  
 GLACIOFLUVIAL ICE CONTACT DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - DIAMICTON, SAND AND GRAVEL  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 PEAT - PEAT

0 0.1 0.2  
 Kilometres

Status	FINAL	Subsidiary	B
--------	-------	------------	---

TRANSPORT SCOTLAND  
 COMHDHAIL ALBA

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

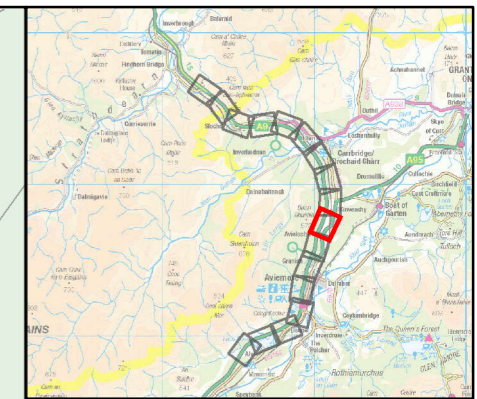
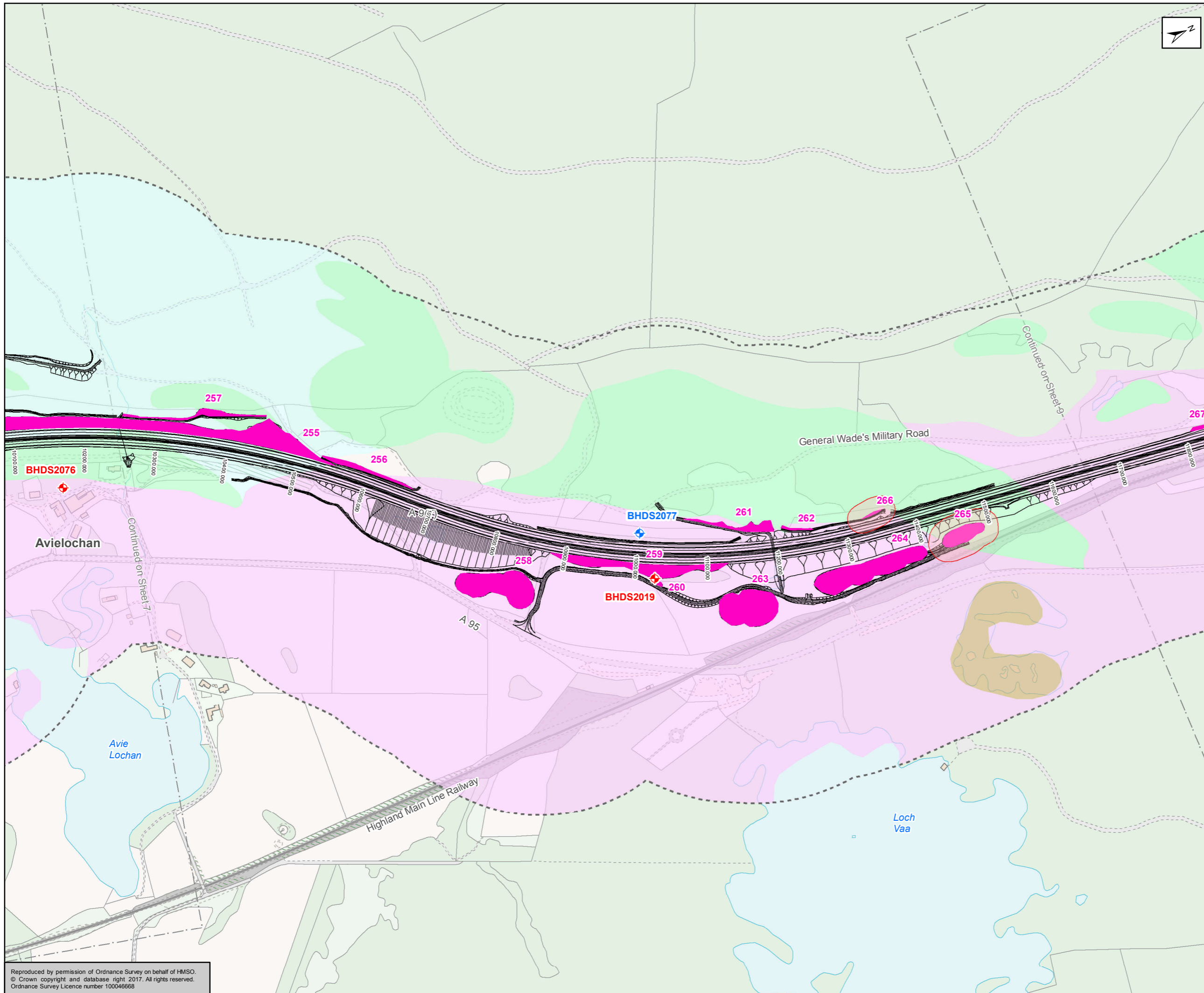
**ATKINS** mouchel

Figure A10.4.1  
 Cuttings Radius of Influence  
 and Superficial Geology  
 Sheet 7 of 17

Scale	1:5,000	Drawn	MM	Checked	UC	Approved	ROB	Authorised	SB	
Document Number	A9P11-AMJ-EGT-H_ZZZZZ_XX-DR-GI-0131								Revision	P04
Project	Originator	Volume								
Location	Type	Role	Number							

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
 © Crown copyright and database right 2017. All rights reserved.  
 Ordnance Survey Licence number 100046668





Proposed Scheme  
 250m Study Area  
 Cuttings  
**Stage 2 GI Locations**  
 Borehole without Groundwater Level  
 Borehole with Groundwater Level  
**Calculated Radius of Influence**  
 Estimated Groundwater Level  
**Superficial Geology**  
 ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 ARDVERIKIE TILL FORMATION - DIAMICTON  
 GLACIOFLUVIAL ICE CONTACT DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - DIAMICTON, SAND AND GRAVEL  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 PEAT - PEAT

0 0.1 0.2  
 Kilometres

Status	FINAL	Subsidiary	B
--------	-------	------------	---

TRANSPORT SCOTLAND  
 COMHDHAIL ALBA

A9  
 DUALLING  
 PERTH TO INVERNESS  
 Dalraddy to Stochd

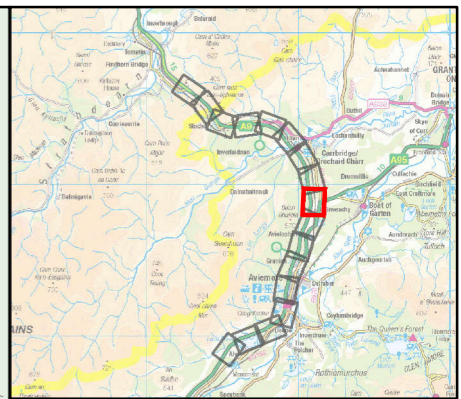
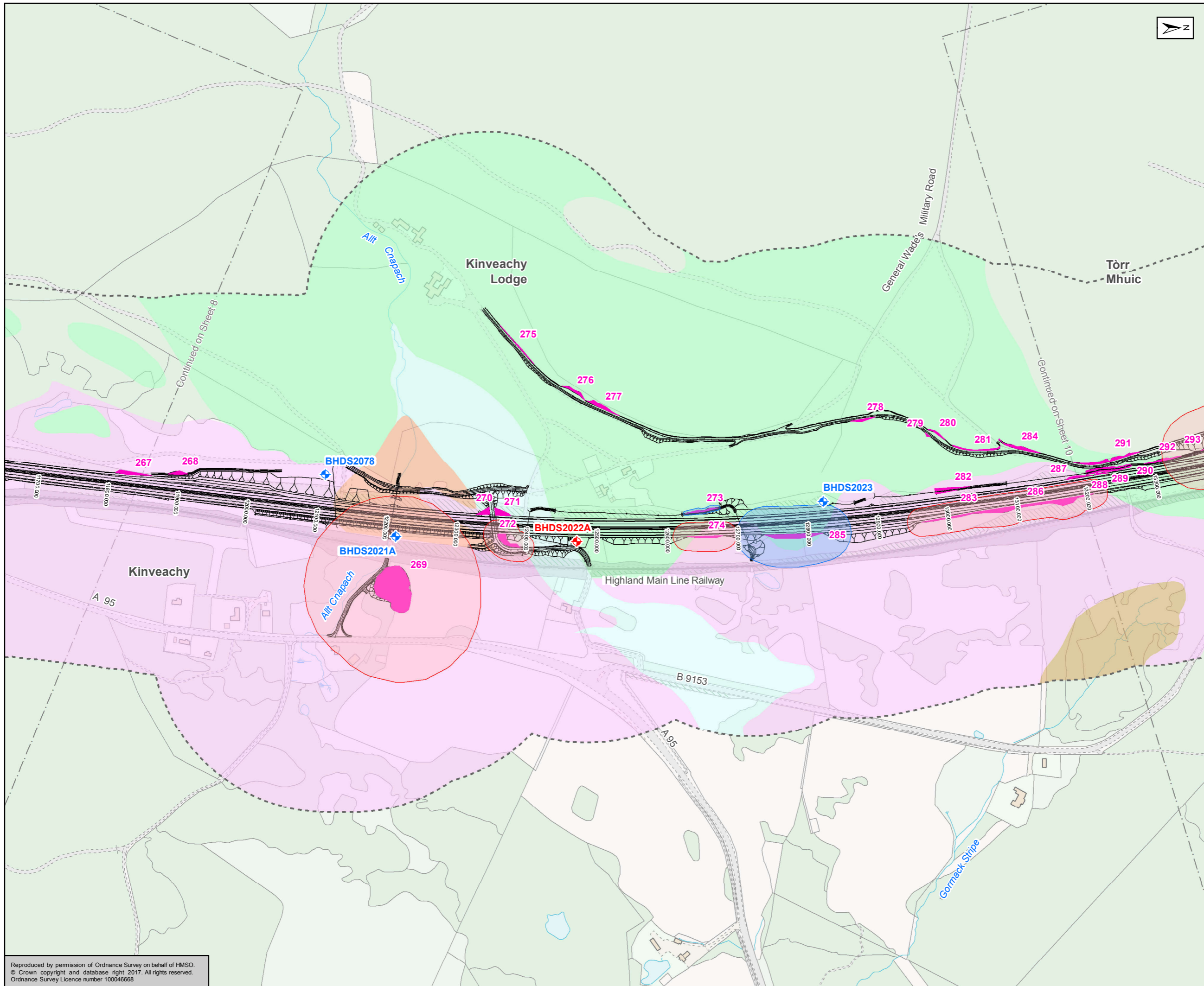
ATKINS mouchel

Figure A10.4.1  
 Cuttings Radius of Influence  
 and Superficial Geology  
 Sheet 8 of 17

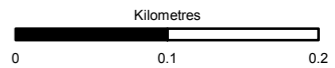
Scale	1:5,000	Drawn	MM	Checked	UC	Approved	ROB	Authorised	SB
Document Number	A9P11-AMJ-EGT-H_ZZZZZ_XX-DR-GI-0132							Revision	P04
Project	Originator	Volume							
Location	Type	Role	Number						

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
 © Crown copyright and database right 2017. All rights reserved.  
 Ordnance Survey Licence number 100046668





Proposed Scheme  
 250m Study Area  
 Cuttings  
**Stage 2 GI Locations**  
 Borehole without Groundwater Level  
 Borehole with Groundwater Level  
**Calculated Radius of Influence**  
 Estimated Groundwater Level  
 Known Groundwater Level  
**Superficial Geology**  
 ALLUVIUM - CLAY, SILT, SAND AND GRAVEL  
 ARDVERIKIE TILL FORMATION - DIAMICTON  
 GLACIOFLUVIAL ICE CONTACT DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT  
 GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - SAND, GRAVEL AND BOULDERS  
 ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY  
 PEAT - PEAT



Status	FINAL	Subsidiary	B
--------	-------	------------	---



Figure A10.4.1  
 Cuttings Radius of Influence  
 and Superficial Geology  
 Sheet 9 of 17

Scale	1:5,000	Drawn	MM	Checked	UC	Approved	ROB	Authorised	SB
Document Number	A9P11-AMJ-EGT-H_ZZZZZ_XX-DR-GI-0133							Revision	P04
Project	Originator	Volume							
Location	Type	Role							

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
 © Crown copyright and database right 2017. All rights reserved.  
 Ordnance Survey Licence number 100046668