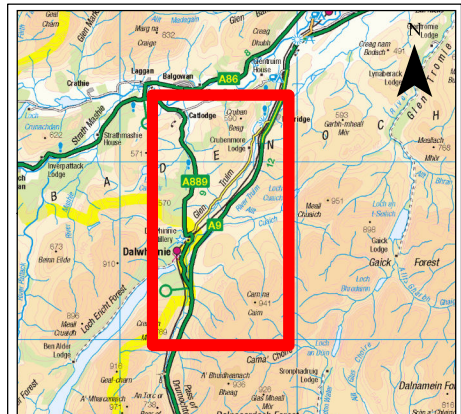
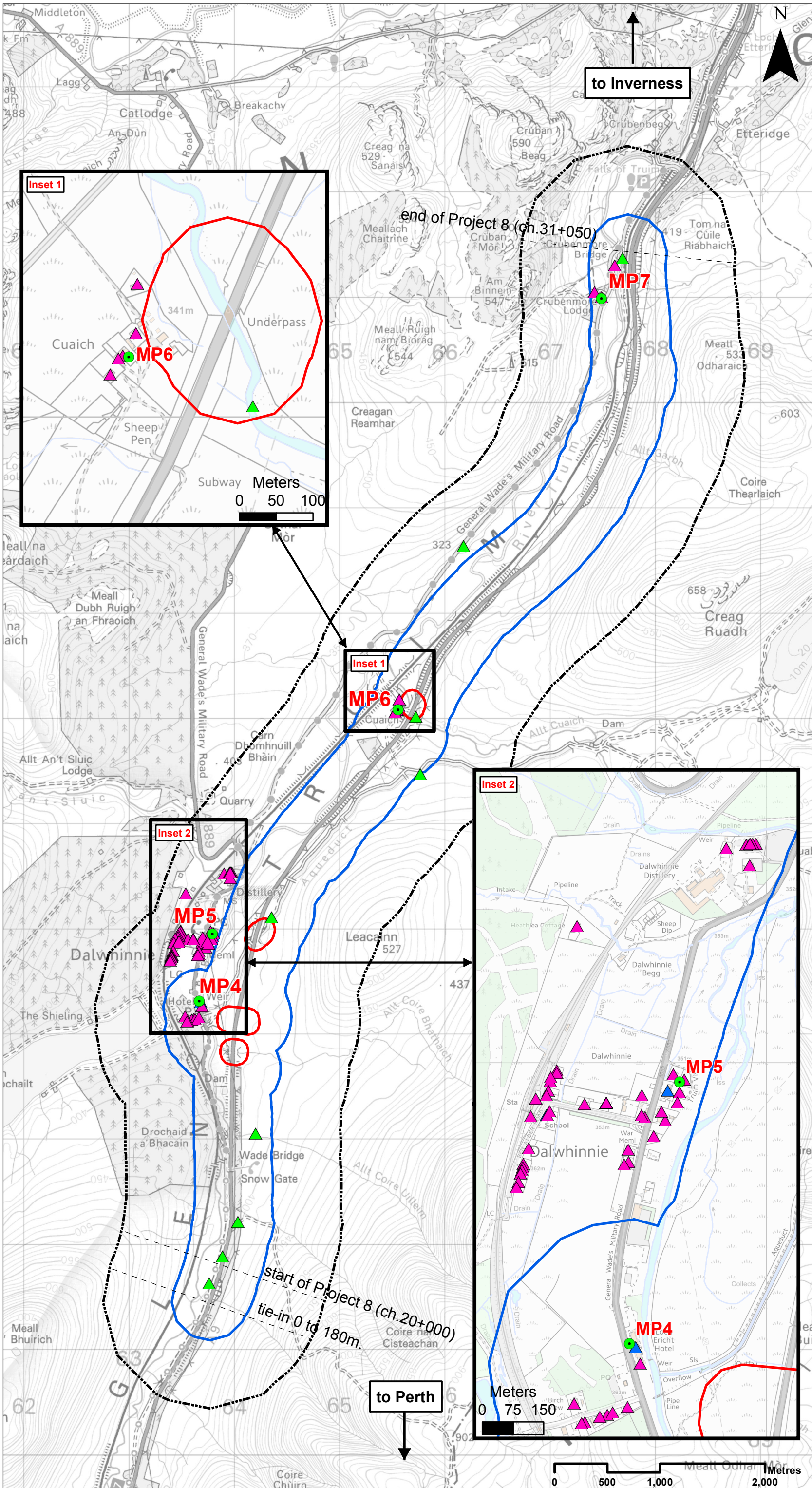


## Noise and Vibration

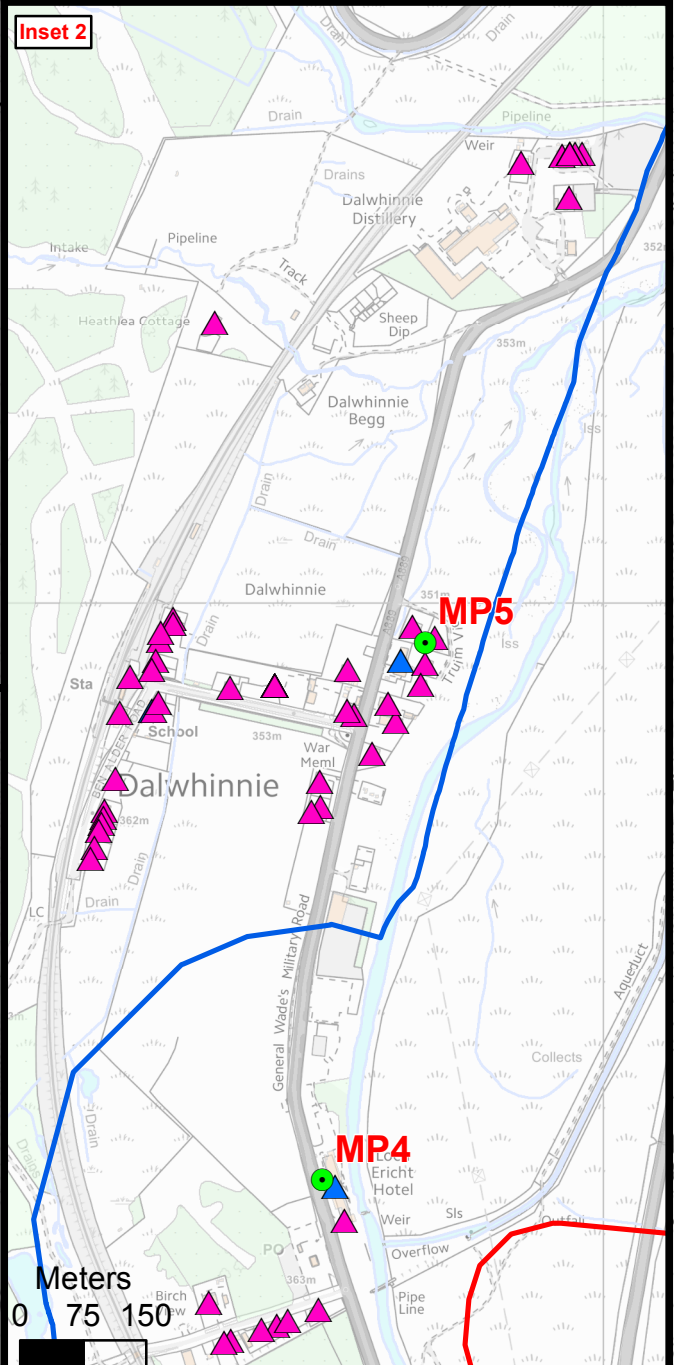
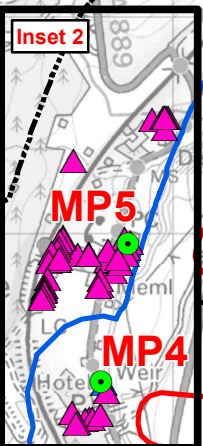
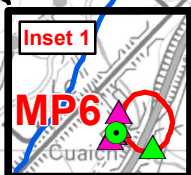
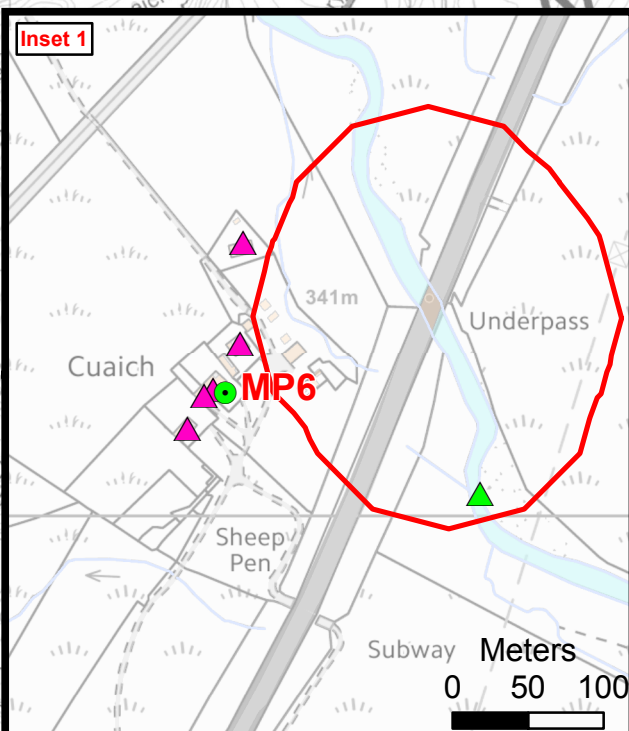
Drawing No.	Drawing Type	Drawing Title	Projectwise Drawing Reference	Software
17.1	BASELINE PLAN	CONSTRUCTION NOISE ASSESSMENT STUDY AREAS AND RECEPTOR LOCATIONS	A9P08-CFJ-ENV-J_MLZZZ_ZZ-DR-EN-0001	GIS
17.2	BASELINE PLAN	OPERATIONAL NOISE ASSESSMENT STUDY AREA AND RECEPTOR LOCATIONS	A9P08-CFJ-ENV-J_MLZZZ_ZZ-DR-EN-0002	GIS
17.3	ASSESSMENT PLAN	NOISE CHANGE CONTOUR PLOTS FOR DO-MINIMUM 2026 AGAINST DO-MINIMUM 2041 (LONG-TERM)	A9P08-CFJ-ENV-J_MLZZZ_ZZ-DR-EN-0003	GIS
17.4	ASSESSMENT PLAN	NOISE CHANGE CONTOUR PLOTS FOR DO-MINIMUM 2026 AGAINST DO-SOMETHING 2026 (SHORT-TERM)	A9P08-CFJ-ENV-J_MLZZZ_ZZ-DR-EN-0004	GIS
17.5	ASSESSMENT PLAN	NOISE CHANGE CONTOUR PLOTS FOR DO-MINIMUM 2026 AGAINST DO-SOMETHING 2041 (LONG-TERM)	A9P08-CFJ-ENV-J_MLZZZ_ZZ-DR-EN-0005	GIS





### Legend

- Proposed Scheme Extents
- **MP** Noise Measurement Locations
- ▲ Residential Receptors
- ▲ Other Sensitive Receptors (Buildings)
- ▲ Other Sensitive Receptors (Outdoor)
- Construction Vibration Study Area
- Construction Noise Study Area
- 1km Boundary



SCALE 1:35000

P03	S3	NOV 17	FINAL REVISIONS	HA	JF
P02	S3	AUG 17	INTERNAL REVISIONS	HA	JF
P01	S3	MAR 17	DRAFT FOR COMMENT	HA	JF
REV	SUIT	DATE	DESCRIPTION	BY	APP

**ch2m** FAIRHURST  
 CH2MHILL Fairhurst JV  
 C/O: City Park 388 Alexandra Parade Glasgow G31 3AU  
 Tel +44 (0) 141 552 2000 Fax +44 (0) 141 552 2525

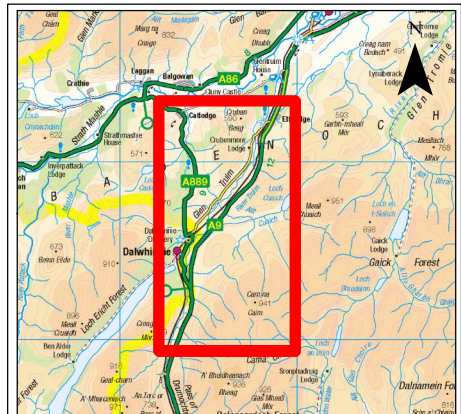
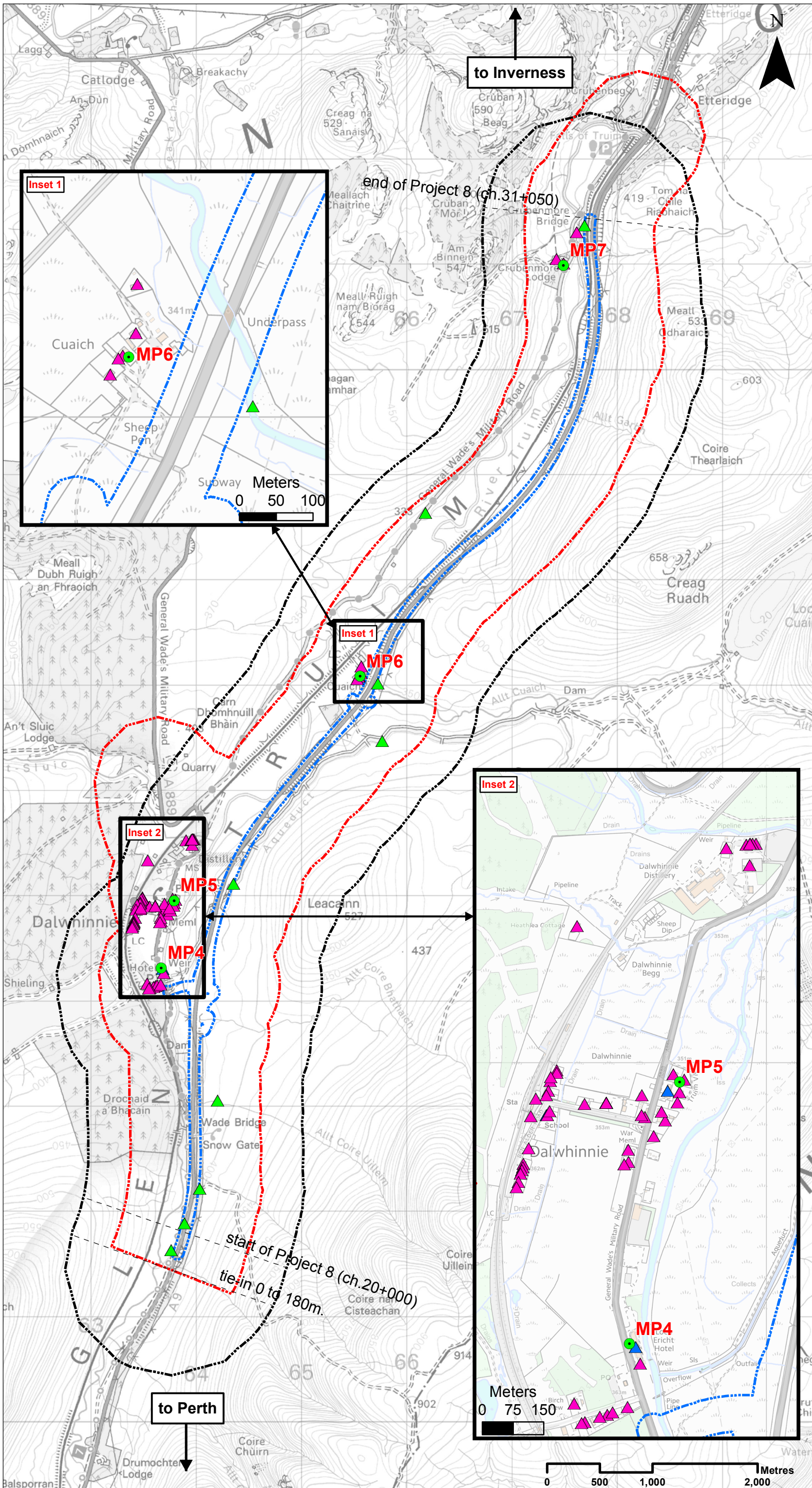


**PROJECT 8 DALWHINNIE TO CRUBENMORE EIA BASELINE PLAN DRAWING 17.1 CONSTRUCTION NOISE ASSESSMENT STUDY AREAS AND RECEPTOR LOCATIONS**

DESIGN: ME	DRAWN: HA	CHK: ME	APP: JF
DATE: 23/11/2017			

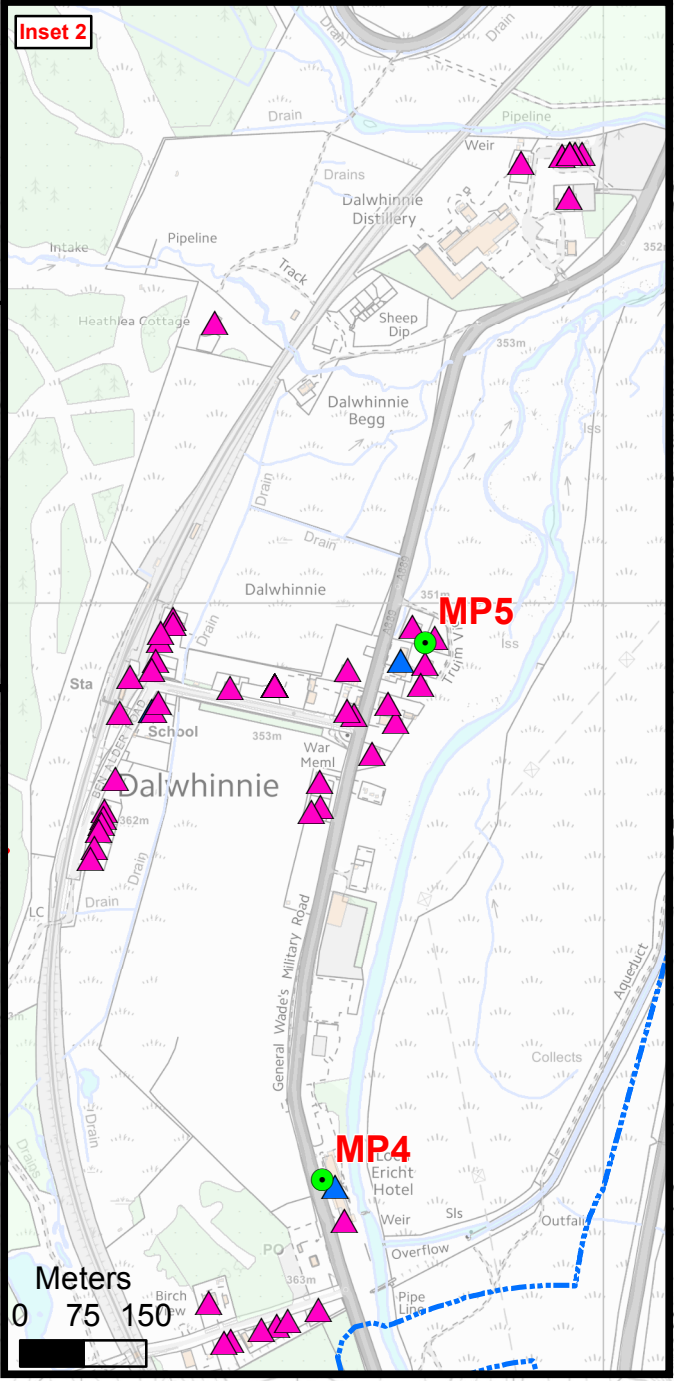
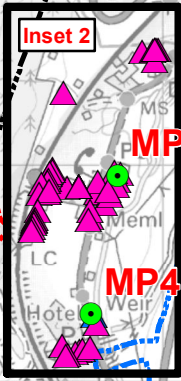
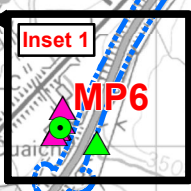
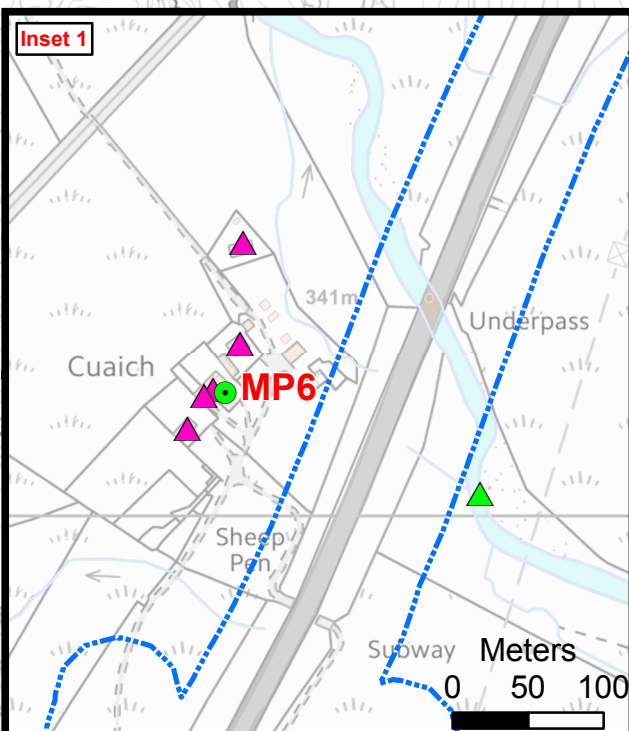
PROJ: 495298	DWG: A9P08-CF3-ENV-J_MLZZZ_ZZ-DR-EN-0002
SHEET: 1 of 1	SUITABILITY: A3





### Legend

- - - Proposed Scheme Exents
- **MP** Noise Measurement Locations
- ▲ Residential Receptors
- ▲ Other Sensitive Receptors (Buildings)
- ▲ Other Sensitive Receptors (Outdoor)
- Operational Noise Study Area
- Operational Vibration Study Area
- 1km Boundary



SCALE 1:35000

P03	S3	NOV 17	FINAL REVISIONS	HA	JF
P02	S3	AUG 17	INTERNAL REVISIONS	HA	JF
P01	S3	MAR 17	DRAFT FOR COMMENT	HA	JF
REV	SUIT	DATE	DESCRIPTION	BY	APP

**ch2m** FAIRHURST  
 CH2MHILL Fairhurst JV  
 C/O: City Park 388 Alexandra Parade Glasgow G31 3AU  
 Tel +44 (0) 141 552 2000 Fax +44 (0) 141 552 2525

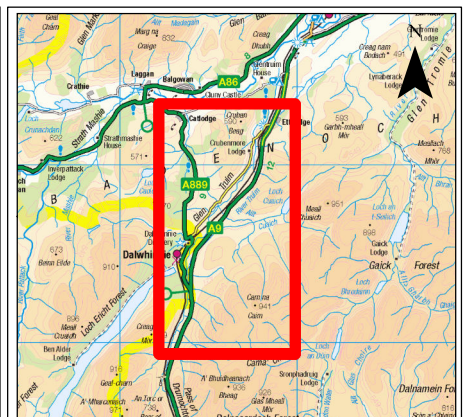
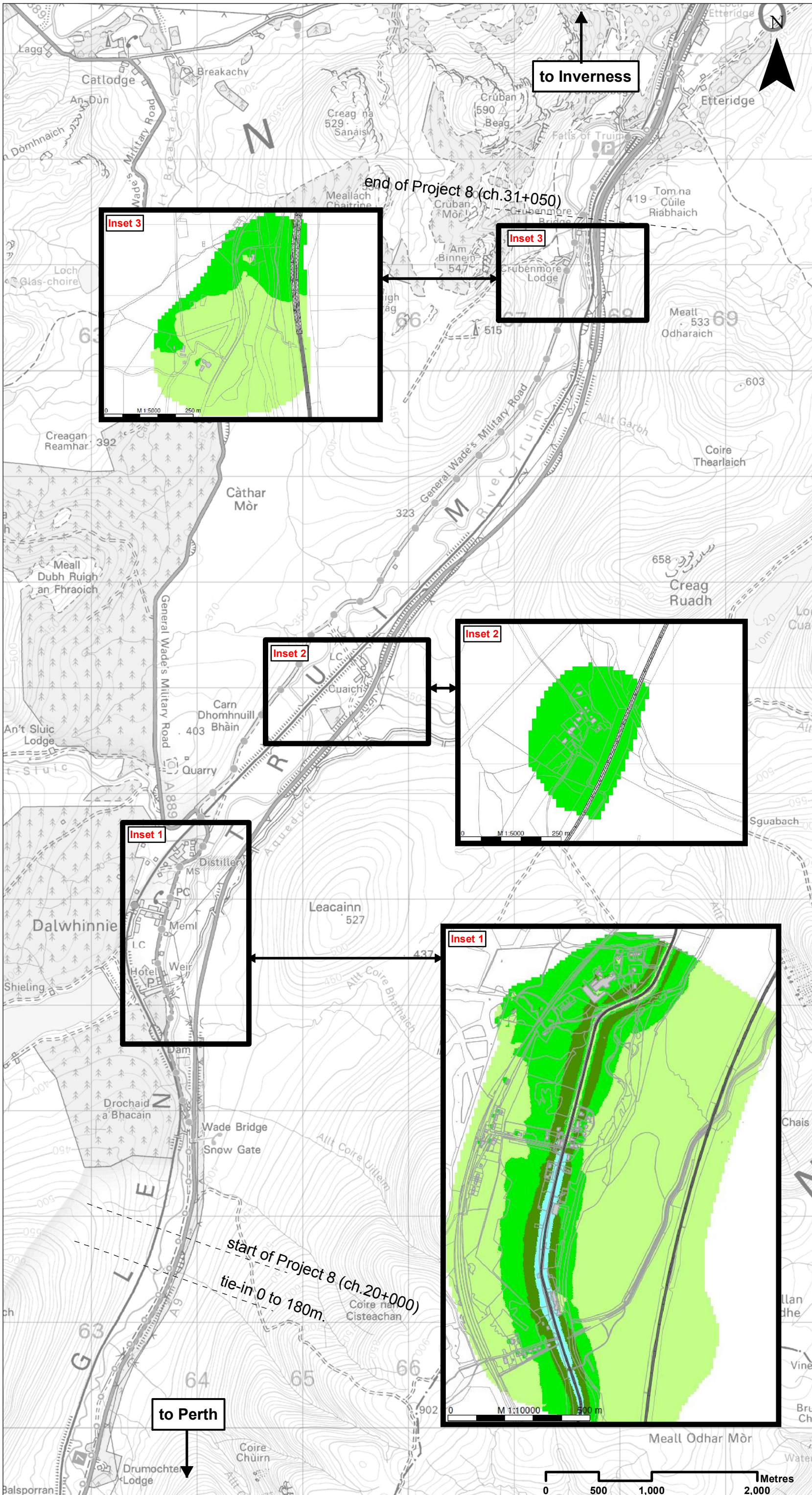


**PROJECT 8 DALWHINNIE TO CRUBENMORE EIA  
 BASELINE PLAN  
 DRAWING 17.2  
 OPERATIONAL NOISE ASSESSMENT STUDY AREA  
 AND RECEPTOR LOCATIONS**

DESIGN: ME	DRAWN: HA	CHK: ME	APP: JF
DATE: 24/11/2017			

PROJ: 495298	DWG: A9P08-CFJ-ENV-J_MLZZZ_ZZ-DR-EN-001
SHEET: 1 of 1	SUITABILITY: A3





### Legend

- Proposed Scheme Extents
- Building
- Road - Standard HRA
- ▣ Road - Existing LNS

### Change in Daytime Traffic Noise, dB

- < -2
- -2 to -1
- -1 to 0
- 0 to 1
- 1 to 2
- 2 to 3
- 3 to 4
- 4 to 5
- 5 to 6
- 6 to 7
- > 7

SCALE 1:35000

P03	S3	NOV 17	FINAL REVISIONS	HA	JF
P02	S3	AUG 17	INTERNAL REVISIONS	HA	JF
P01	S3	MAR 17	DRAFT FOR COMMENT	HA	JF
REV	SUIT	DATE	DESCRIPTION	BY	APP

**ch2m FAIRHURST**  
 CH2MHILL Fairhurst JV  
 CO: City Park 388 Alexandra Parade Glasgow G31 3AU  
 Tel + 44 (0) 141 552 2000 Fax +44 (0) 141 552 2525



**PROJECT 8 DALWHINNIE TO CRUBENMORE EIA ASSESSMENT PLAN**  
**DRAWING 17.3**  
**NOISE CHANGE CONTOUR PLOTS FOR DO-MINIMUM 2026 AGAINST DO-MINIMUM 2041 (LONG-TERM)**

DESIGN: ME	DRAWN: HA	CHK: ME	APP: JF
------------	-----------	---------	---------

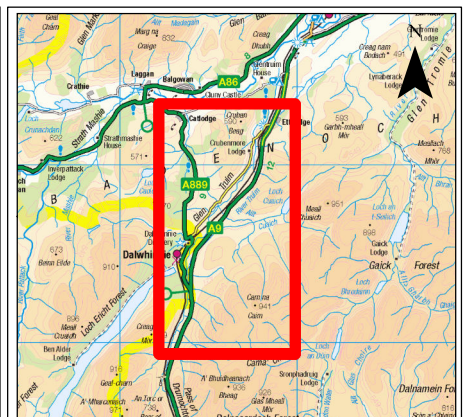
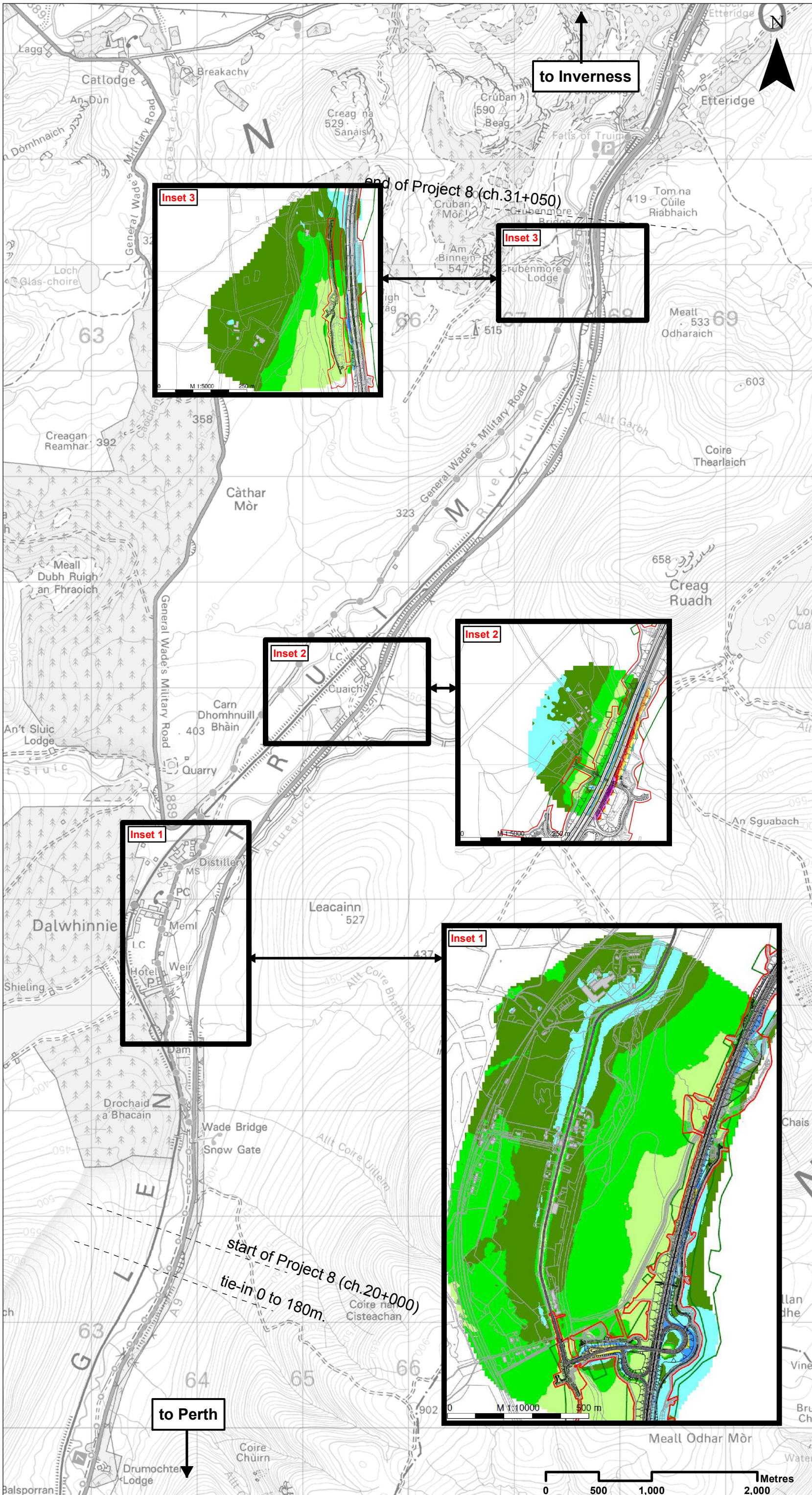
DATE: 23/11/2017

PROJ: 495298

DWG: A9P08-CF3-ENV-J\_MLZZZ\_ZZ-DR-EN-003

SHEET: 1 of 1	REVISION: C01	SUITABILITY: A3
---------------	---------------	-----------------





### Legend

- Proposed Scheme Extents
- Building
- Road - Standard (Surface - Hot Rolled Asphalt)
- Road - New (Surface - New Low Noise)
- Proposed Scheme Detail
- Permanent Works Boundary
- Temporary Works Boundary

### Change in Daytime Traffic Noise, dB

- < -2
- 2 to -1
- 1 to 0
- 0 to 1
- 1 to 2
- 2 to 3
- 3 to 4
- 4 to 5
- 5 to 6
- 6 to 7
- > 7

SCALE 1:35000

REV	SUIT	DATE	DESCRIPTION	BY	APP
P03	S3	NOV 17	FINAL REVISIONS	HA	JF
P02	S3	AUG 17	INTERNAL REVISIONS	HA	JF
P01	S3	MAR 17	DRAFT FOR COMMENT	HA	JF

**ch2m FAIRHURST**  
 CH2MHILL Fairhurst JV  
 CO: City Park 368 Alexandra Parade Glasgow G31 3AU  
 Tel +44 (0) 141 552 2000 Fax +44 (0) 141 552 2525

**TRANSPORT SCOTLAND** **A9 DUALLING**  
 PERTH TO INVERNESS  
 DELIVERING TO GOSWORTHY

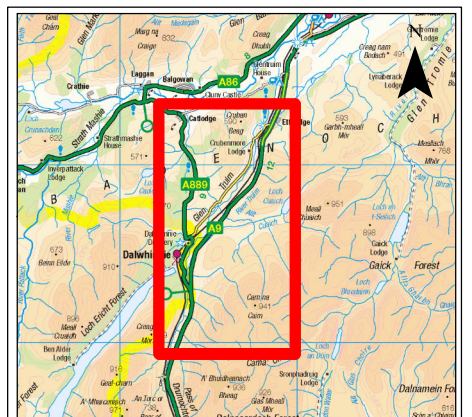
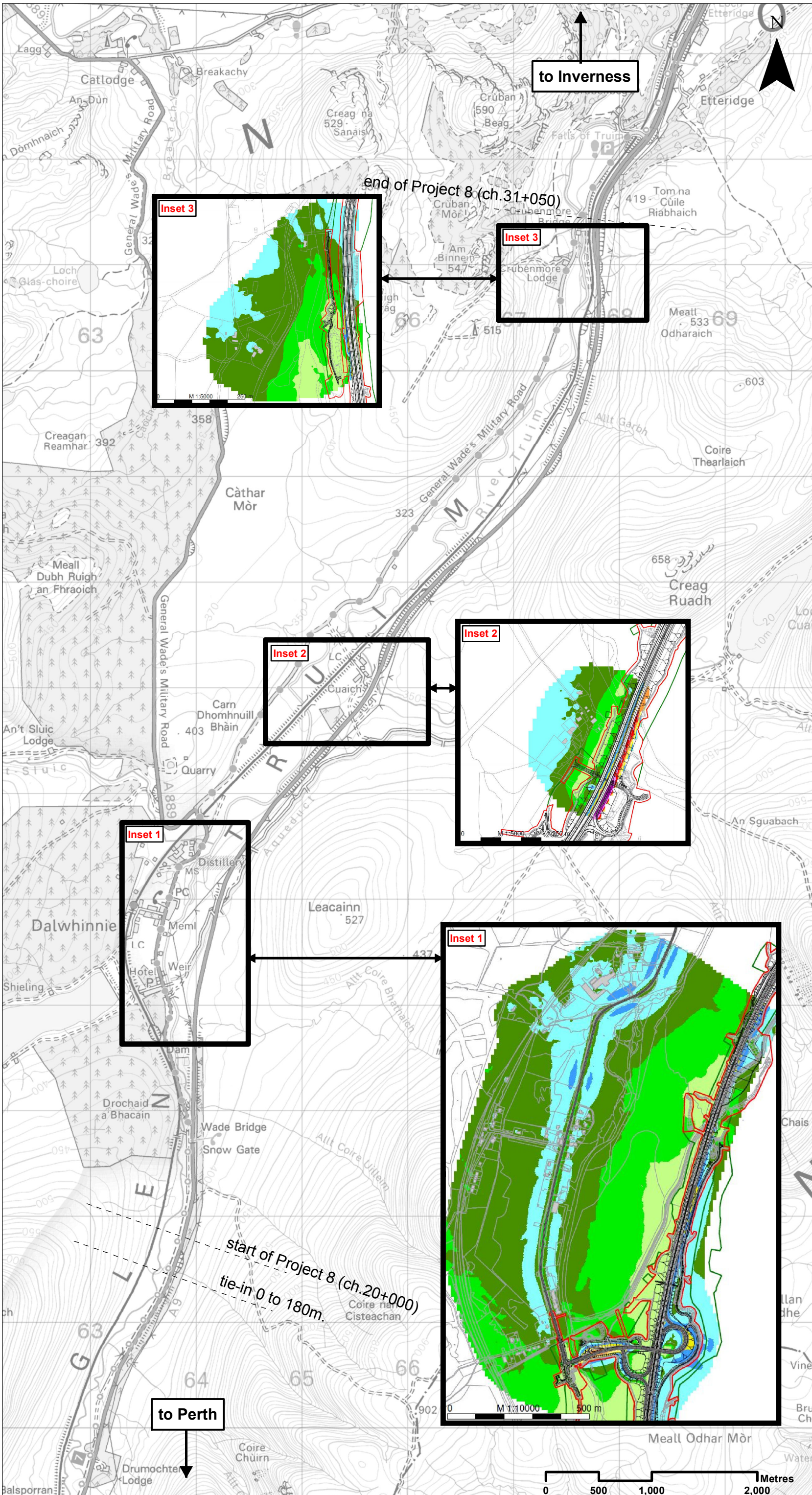
**PROJECT 8 DALWHINNIE TO CRUBENMORE EIA ASSESSMENT PLAN DRAWING 17.4 NOISE CHANGE CONTOUR PLOTS FOR DO-MINIMUM 2026 AGAINST DO-SOMETHING 2026 (SHORT-TERM)**

DESIGN: ME	DRAWN: HA	CHK: ME	APP: JF
------------	-----------	---------	---------

DATE: 27/11/2017

PROJ: 495298	DWG: A9P08-CF3-ENV-J_MLZZZ_ZZ-DR-EN-004
SHEET: 1 of 1	REVISION: C01
	SUITABILITY: A3





**Legend**

--- Proposed Scheme Extents

- Building
- Road - Standard (Surface - Hot Rolled Asphalt)
- Road - New (Surface - New Low Noise)
- Proposed Scheme Detail
- Permanent Works Boundary
- Temporary Works Boundary

Change in Daytime Traffic Noise, dB

- < -2
- -2 to -1
- -1 to 0
- 0 to 1
- 1 to 2
- 2 to 3
- 3 to 4
- 4 to 5
- 5 to 6
- 6 to 7
- > 7

SCALE 1:35000

P03	S3	NOV 17	FINAL REVISIONS	HA	JF
P02	S3	AUG 17	INTERNAL REVISIONS	HA	JF
P01	S3	MAR 17	DRAFT FOR COMMENT	HA	JF
REV	SUIT	DATE	DESCRIPTION	BY	APP

**ch2m FAIRHURST**  
 CH2MHILL Fairhurst JV  
 CO: City Park 368 Alexandra Parade Glasgow G31 3AU  
 Tel + 44 (0) 141 552 2000 Fax +44 (0) 141 552 2525



**PROJECT 8 DALWHINNIE TO CRUBENMORE EIA ASSESSMENT PLAN DRAWING 17.5 NOISE CHANGE CONTOUR PLOTS FOR DO-MINIMUM 2026 AGAINST DO-SOMETHING 2041 (LONG-TERM)**

DESIGN: ME	DRAWN: HA	CHK: ME	APP: JF
DATE: 27/11/2017			

PROJ: 495298  
 DWG: A9P08-CF3-ENV-J\_MLZZ\_ZZ-DR-EN-0005  
 SHEET: 1 of 1      REVISION: C01      SUITABILITY: A3