



View from Orrock House to the South - East



View from Cock and Bull towards Orrock House



View from Drumhead Cottage to the South - West

Drawn by: KM	Checked by: AJF	Date: 08/07
--------------	-----------------	-------------

A90 Dualling - Balmedie to Tippetry

Landscape Character Sketches
 Formartine Lowlands
 Southern Rolling Zone



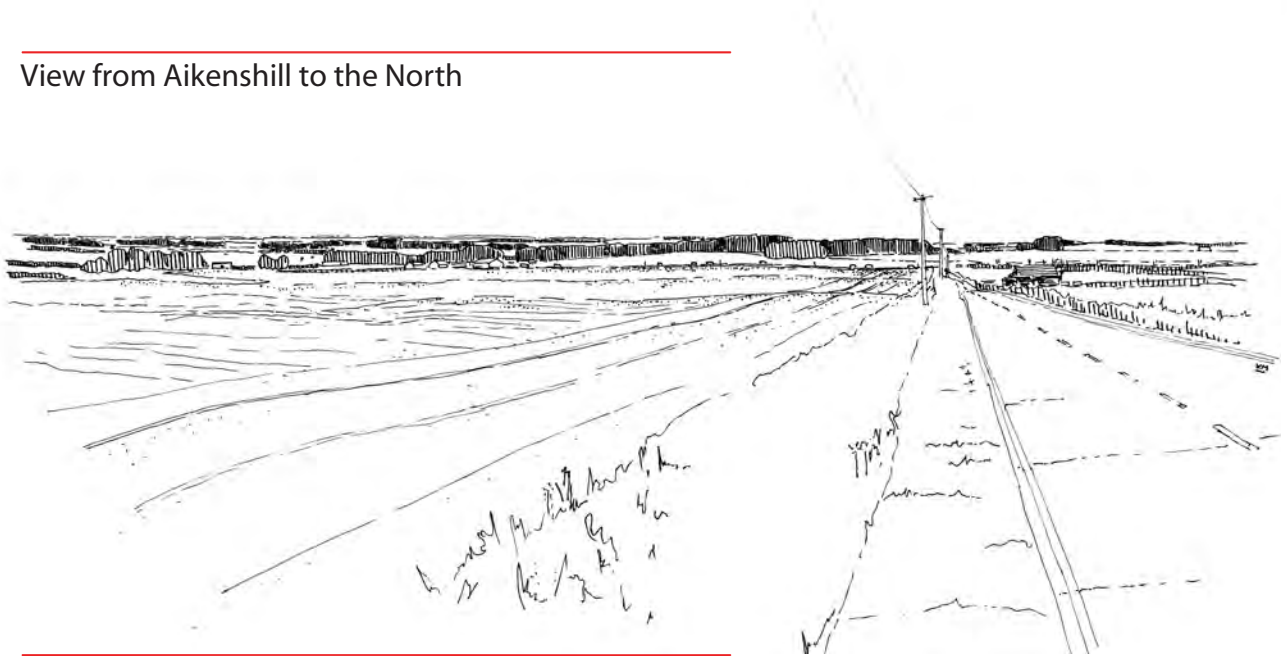
Figure 11.5



View from Foveran South to the North - East



View from Aikenshill to the North



View from Montammo to the South - West

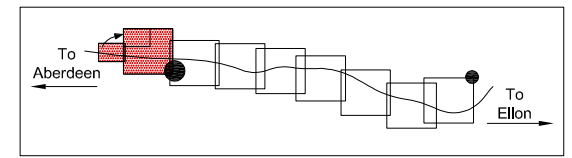
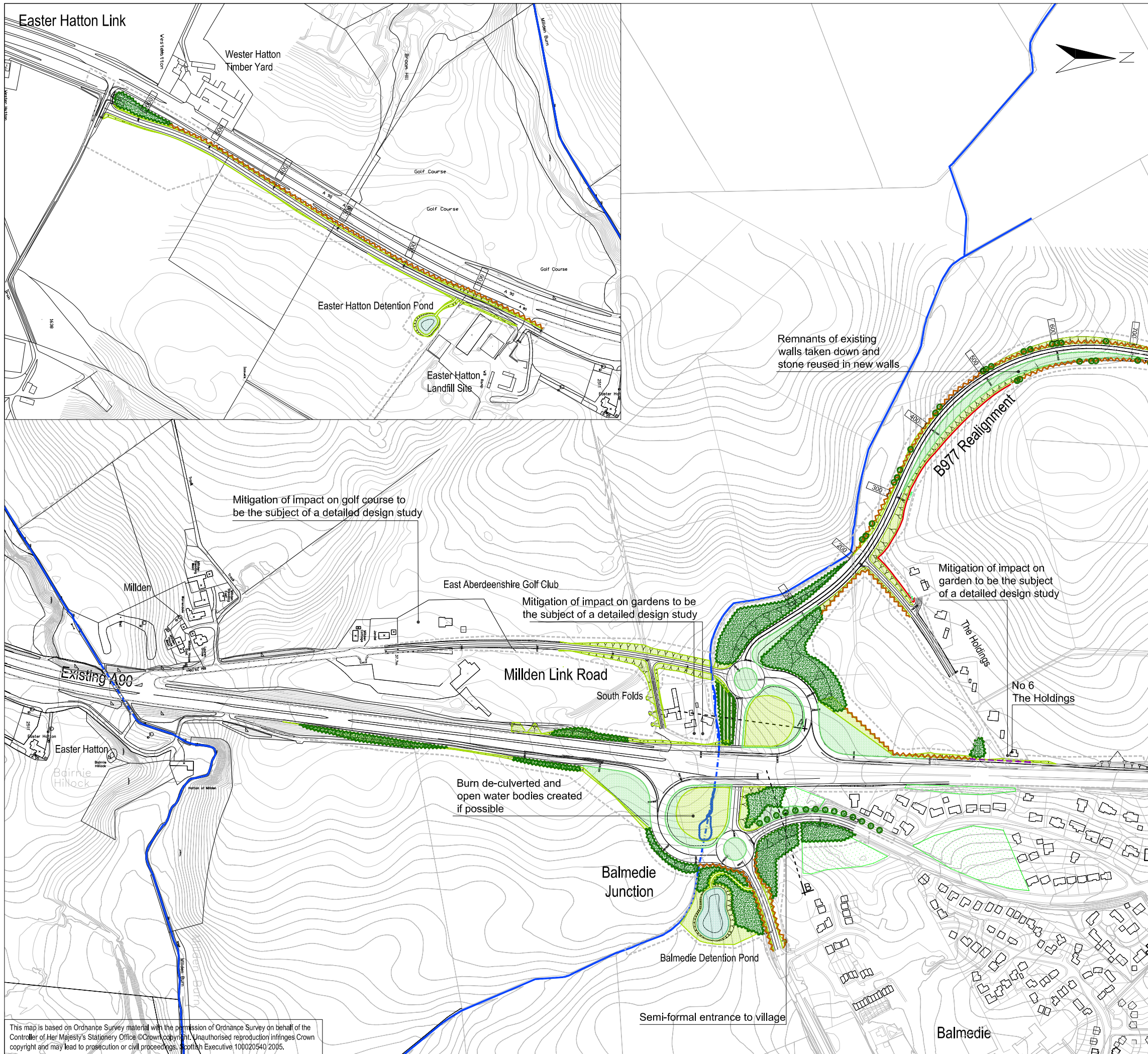
Drawn by: KM	Checked by: AJF	Date: 08/07
--------------	-----------------	-------------

A90 Dualling - Balmedie to Tipperty


















Landscape Character Sketches
 Formartine Lowlands
 Northern Open Zone



Figure 11.6



Key:

-  Existing woodland
-  Watercourse
-  Proposed CPO Line
-  Individual / specimen tree planting
-  Hedge
-  Stone wall
-  Noise barrier
-  Native shrub / scrub planting
-  Native woodland planting
-  Screen woodland planting
-  Agricultural seeding
-  Wildflower seeding
-  Low maintenance seeding
-  Marginal and aquatic planting
-  False cutting
-  Embankments graded out for return to agriculture
-  Cross sections

Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tippetry

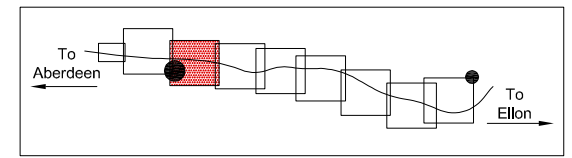
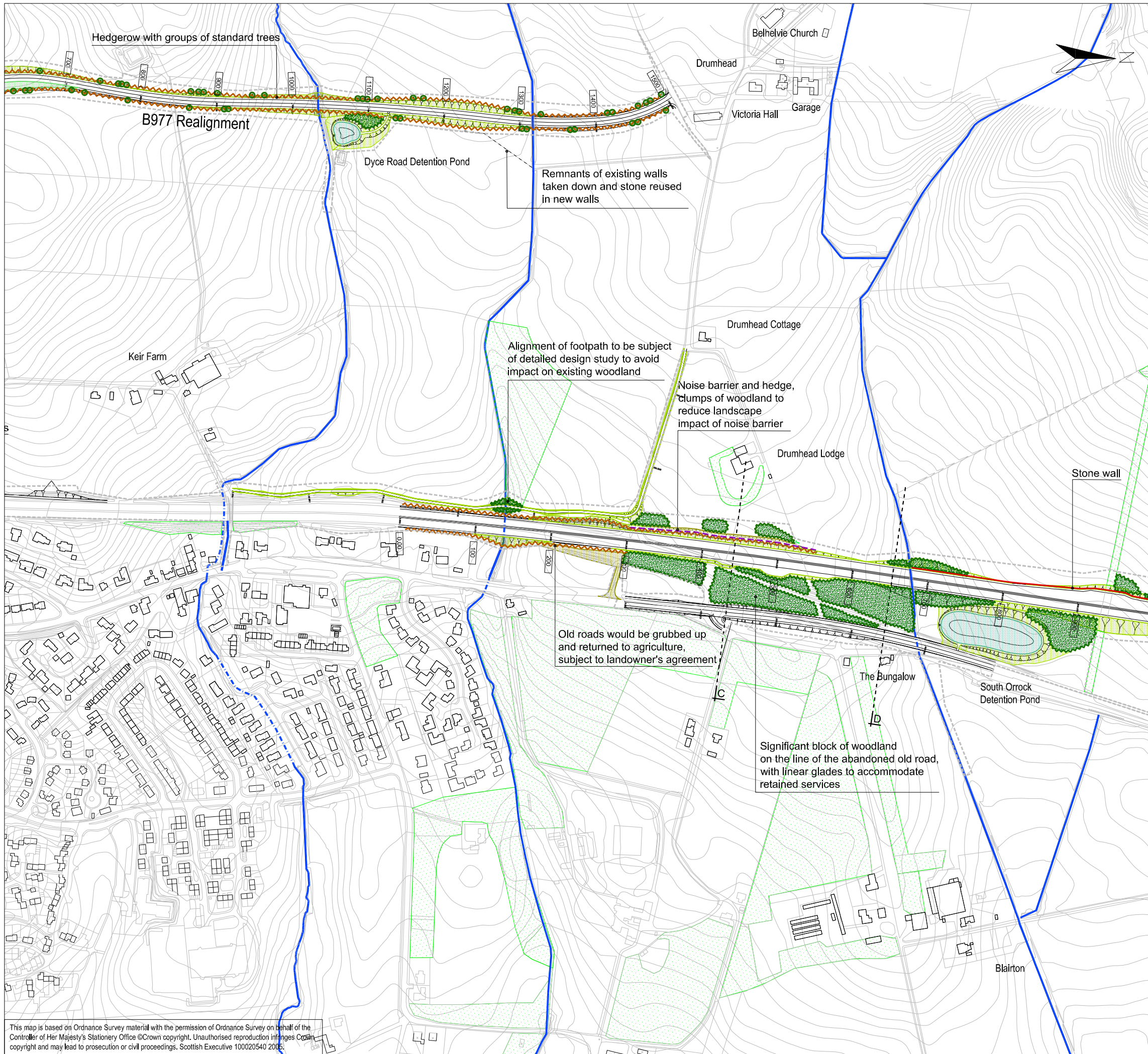
Outline Landscape Proposals
Sheet 1 of 8

Figure 11.7a


















Scale 1 : 5000 at A3



This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005.



Key:

-  Existing woodland
-  Watercourse
-  Proposed CPO Line
-  Individual / specimen tree planting
-  Hedge
-  Stone wall
-  Noise barrier
-  Native shrub / scrub planting
-  Native woodland planting
-  Screen woodland planting
-  Agricultural seeding
-  Wildflower seeding
-  Low maintenance seeding
-  Marginal and aquatic planting
-  False cutting
-  Embankments graded out for return to agriculture
-  Cross sections

Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tipperty

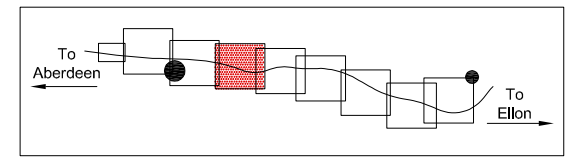
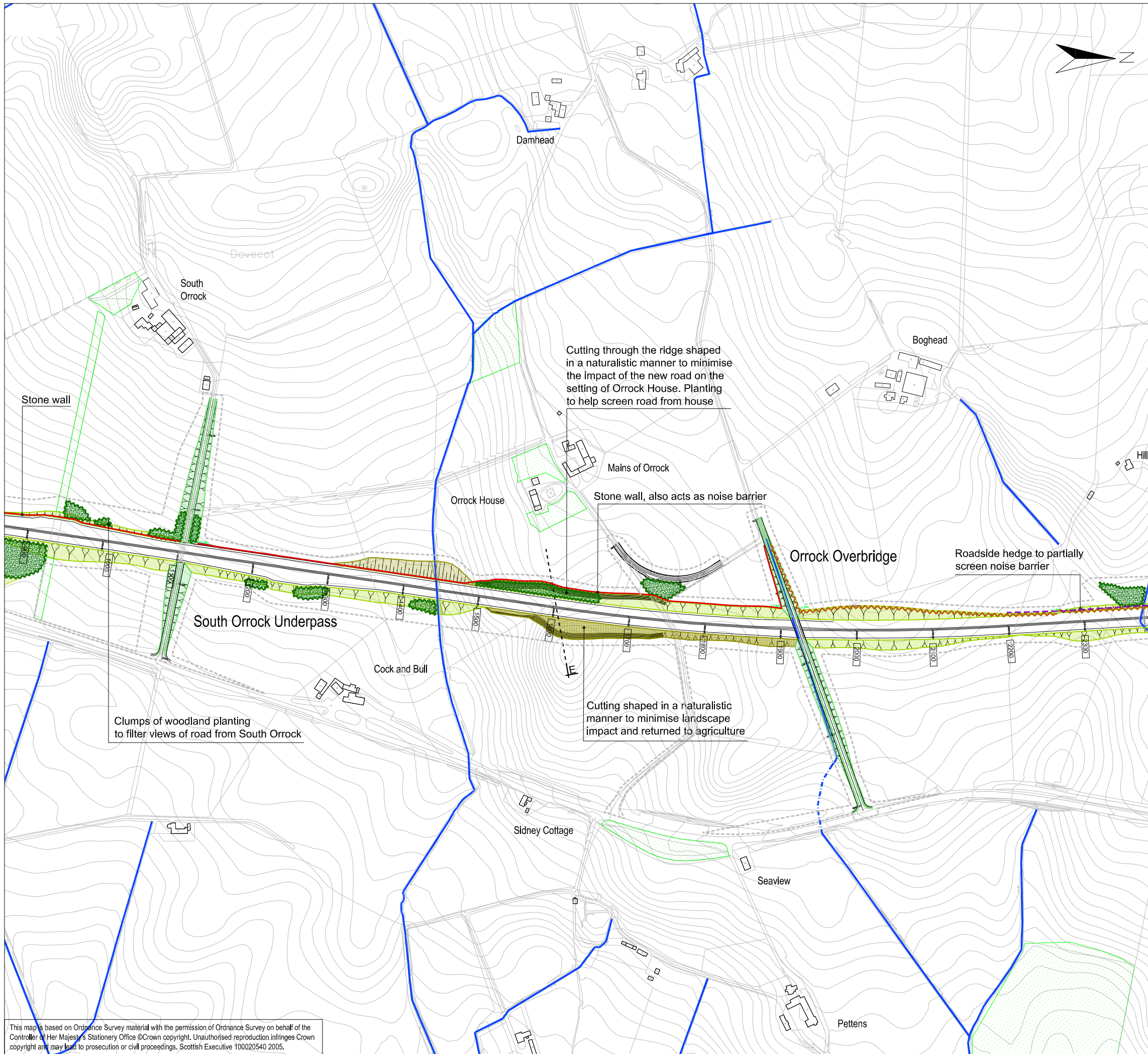
Outline Landscape Proposals
Sheet 2 of 8

Figure 11.7b

Scale 1 : 5000 at A3



This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005.



Key:

- Existing woodland
- Watercourse
- Proposed CPO Line
- Individual / specimen tree planting
- Hedge
- Stone wall
- Noise barrier
- Native shrub / scrub planting
- Native woodland planting
- Screen woodland planting
- Agricultural seeding
- Wildflower seeding
- Low maintenance seeding
- Marginal and aquatic planting
- False cutting
- Embankments graded out for return to agriculture
- Cross sections

Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tipperty

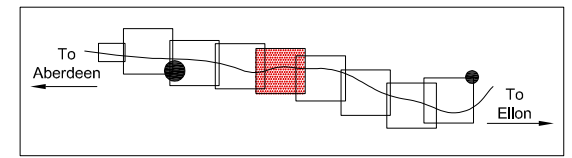
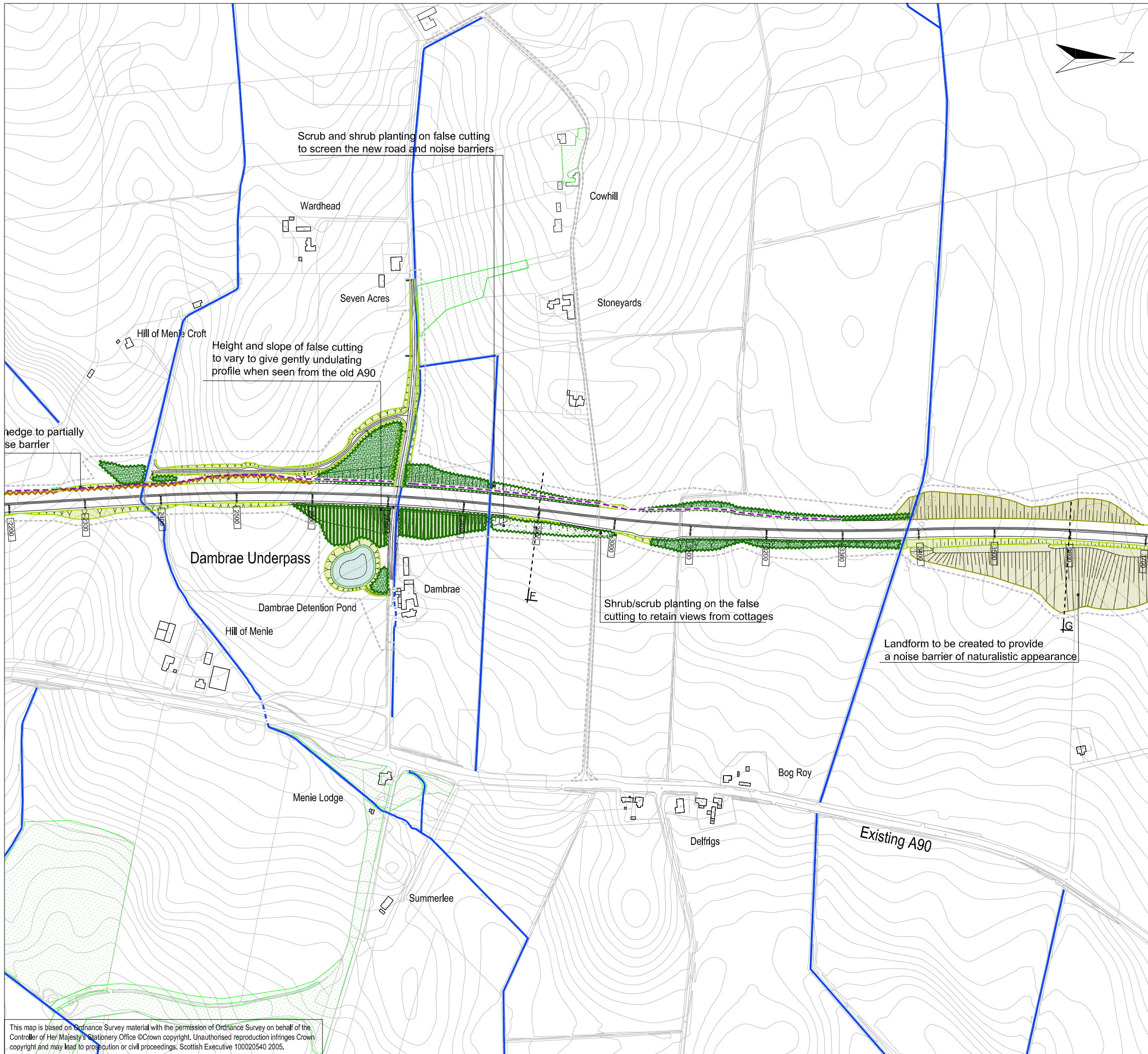
Outline Landscape Proposals
Sheet 3 of 8

Figure 11.7c

Scale 1 : 5000 at A3



This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005.



Key:

- Existing woodland
- Watercourse
- Proposed CPO Line
- Individual / specimen tree planting
- Hedge
- Stone wall
- Noise barrier
- Native shrub / scrub planting
- Native woodland planting
- Screen woodland planting
- Agricultural seeding
- Wildflower seeding
- Low maintenance seeding
- Marginal and aquatic planting
- False cutting
- Embankments graded out for return to agriculture
- Cross sections

This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005.

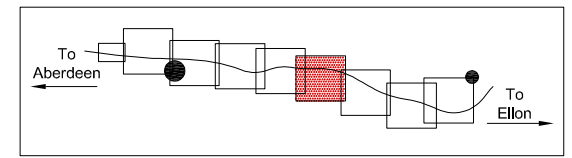
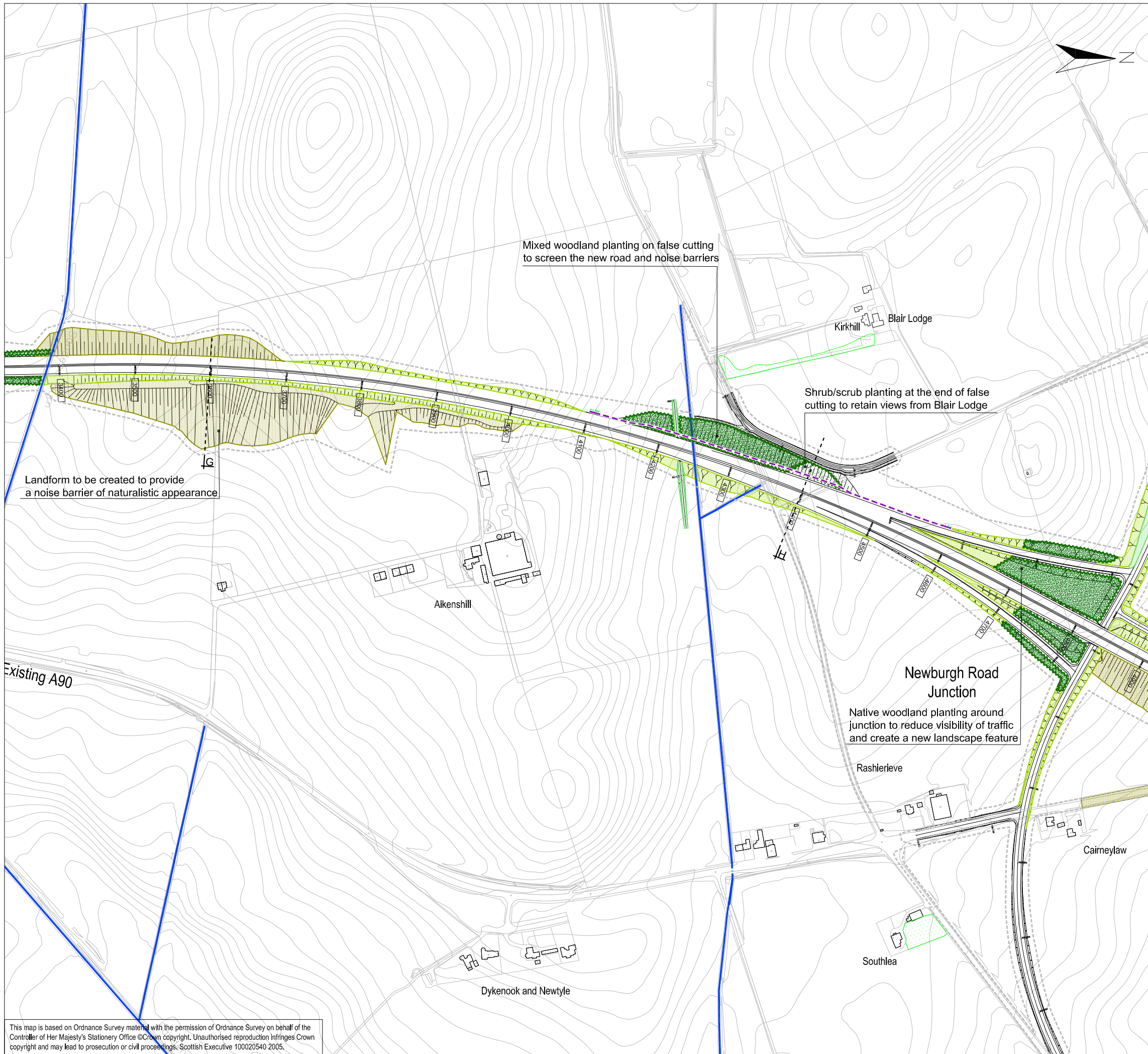
Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tipperty
Outline Landscape Proposals
 Sheet 4 of 8


















Figure 11.7d

Scale 1 : 5000 at A3





Key:

-  Existing woodland
-  Watercourse
-  Proposed CPO Line
-  Individual / specimen tree planting
-  Hedge
-  Stone wall
-  Noise barrier
-  Native shrub / scrub planting
-  Native woodland planting
-  Screen woodland planting
-  Agricultural seeding
-  Wildflower seeding
-  Low maintenance seeding
-  Marginal and aquatic planting
-  False cutting
-  Embankments graded out for return to agriculture
-  Cross sections

Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tipperty

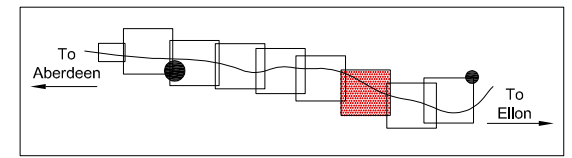
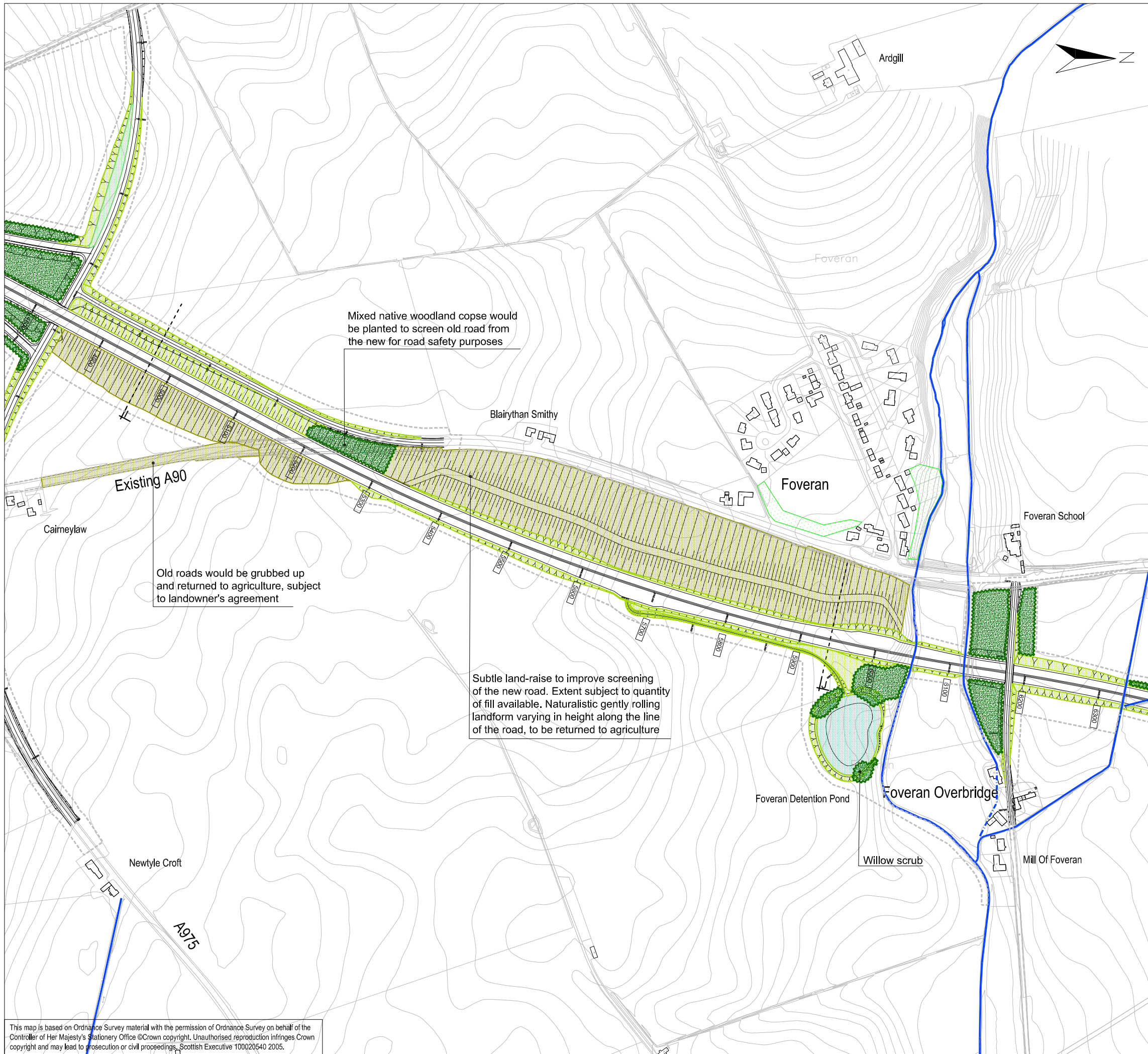
Outline Landscape Proposals
Sheet 5 of 8

Figure 11.7e

Scale 1 : 5000 at A3



This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005.



Key:

- Existing woodland
- Watercourse
- Proposed CPO Line
- Individual / specimen tree planting
- Hedge
- Stone wall
- Noise barrier
- Native shrub / scrub planting
- Native woodland planting
- Screen woodland planting
- Agricultural seeding
- Wildflower seeding
- Low maintenance seeding
- Marginal and aquatic planting
- False cutting
- Embankments graded out for return to agriculture
- Cross sections

Mixed native woodland copse would be planted to screen old road from the new for road safety purposes

Old roads would be grubbed up and returned to agriculture, subject to landowner's agreement

Subtle land-raise to improve screening of the new road. Extent subject to quantity of fill available. Naturalistic gently rolling landform varying in height along the line of the road, to be returned to agriculture

This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office ©Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings, Scottish Executive 100020540 2005.

Drawn by: KM Checked by: AJF Date: 08/07

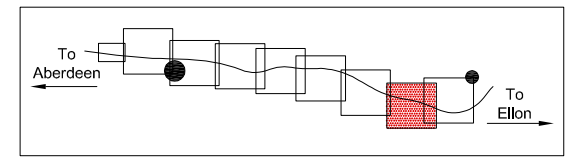
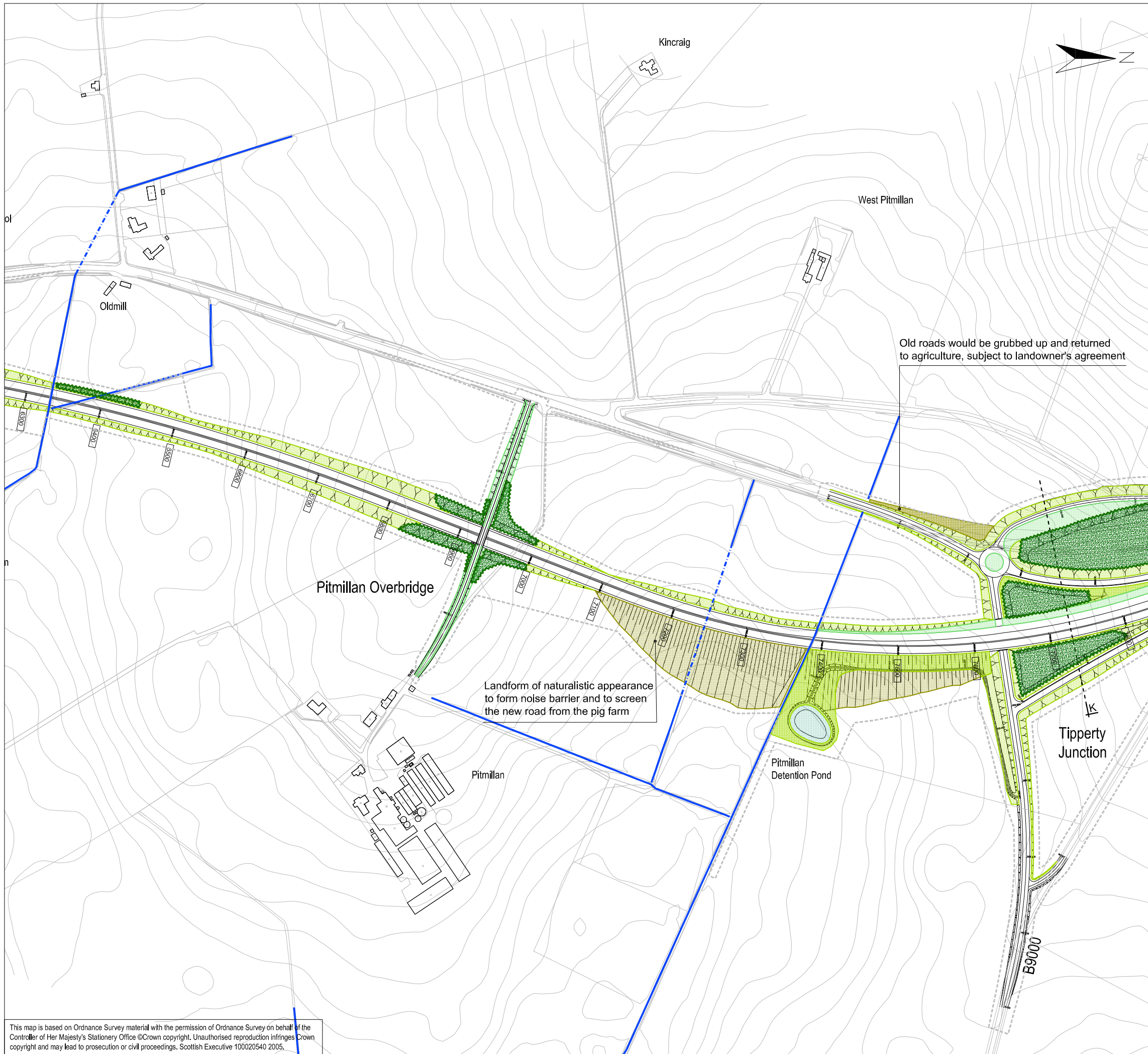
A90 Dualling - Balmedie to Tippetry

Outline Landscape Proposals
Sheet 6 of 8


















Figure 11.7f

Scale 1 : 5000 at A3






Key:

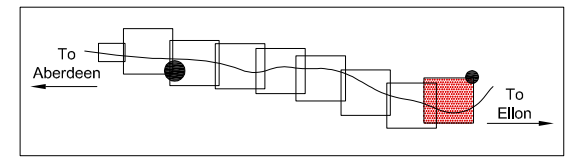
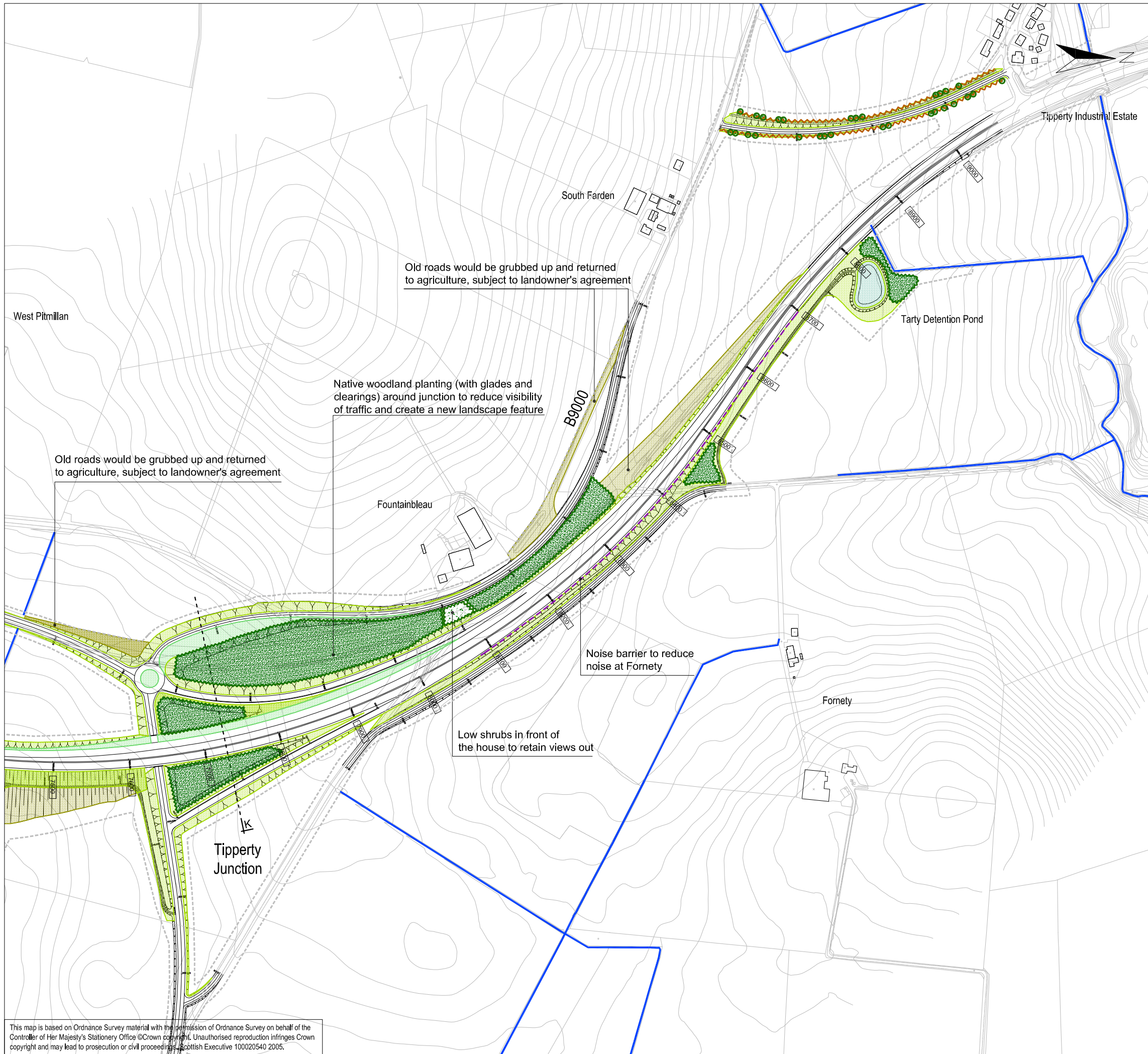
-  Existing woodland
-  Watercourse
-  Proposed CPO Line
-  Individual / specimen tree planting
-  Hedge
-  Stone wall
-  Noise barrier
-  Native shrub / scrub planting
-  Native woodland planting
-  Screen woodland planting
-  Agricultural seeding
-  Wildflower seeding
-  Low maintenance seeding
-  Marginal and aquatic planting
-  False cutting
-  Embankments graded out for return to agriculture
-  Cross sections

This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office ©Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005.


















Drawn by: KM	Checked by: AJF	Date: 08/07
A90 Dualling - Balmedie to Tippetry		
Outline Landscape Proposals		
Sheet 7 of 8		
Figure 11.7g		
Scale 1 : 5000 at A3		



TRANSPORT SCOTLAND
An agency of the Scottish Executive



Key:

-  Existing woodland
-  Watercourse
-  Proposed CPO Line
-  Individual / specimen tree planting
-  Hedge
-  Stone wall
-  Noise barrier
-  Native shrub / scrub planting
-  Native woodland planting
-  Screen woodland planting
-  Agricultural seeding
-  Wildflower seeding
-  Low maintenance seeding
-  Marginal and aquatic planting
-  False cutting
-  Embankments graded out for return to agriculture
-  Cross sections

Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tippetry

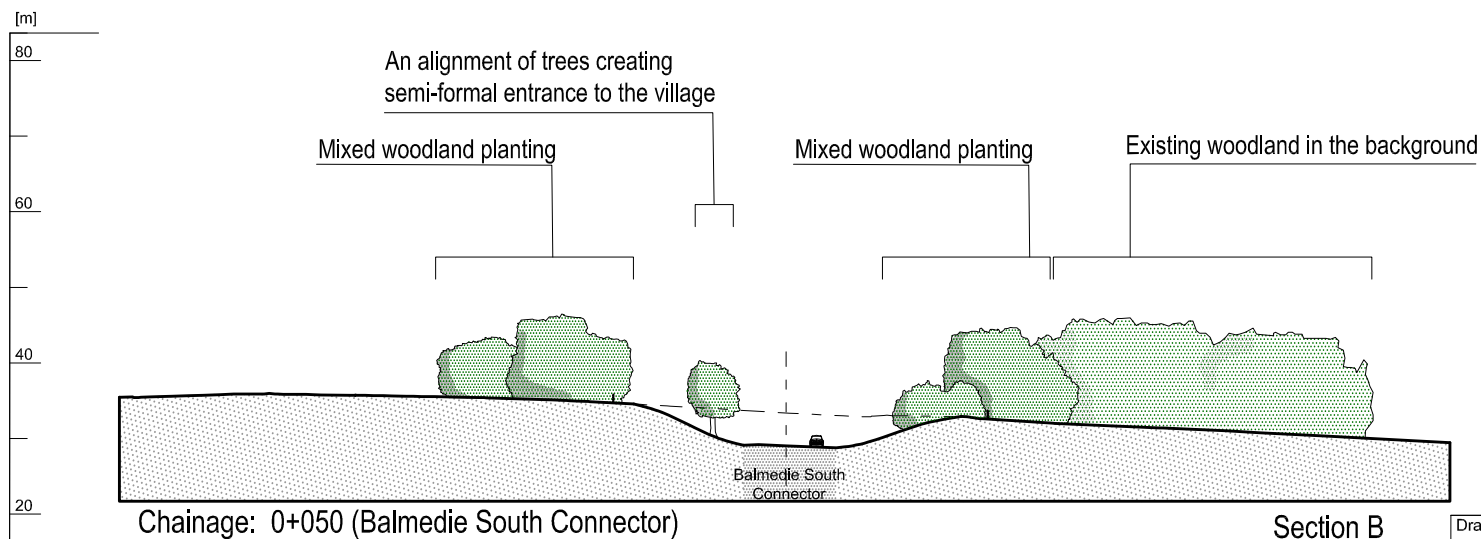
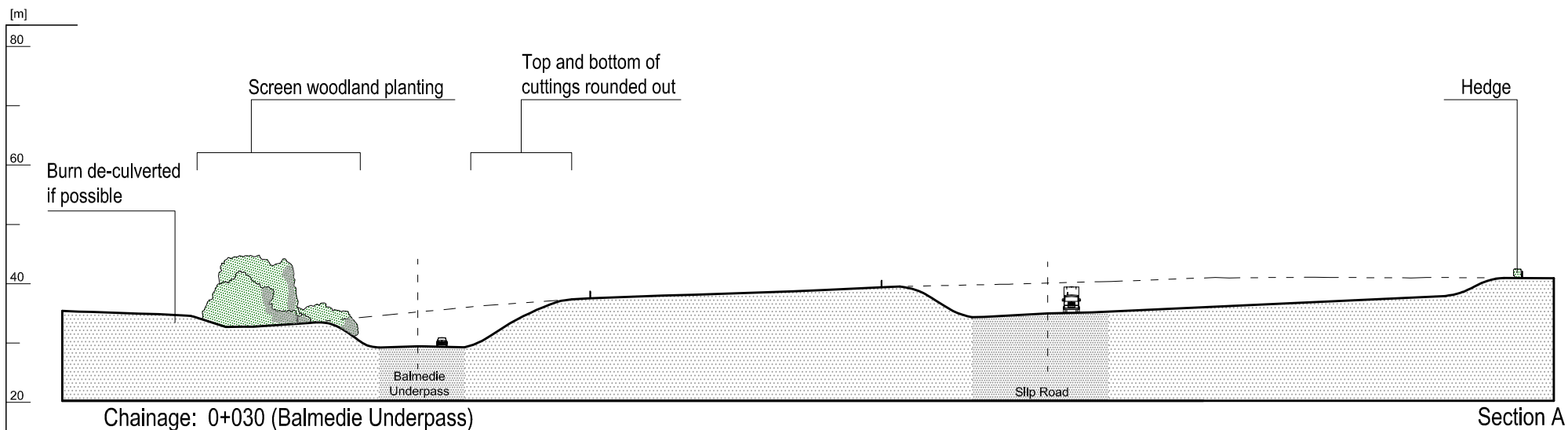
Outline Landscape Proposals
Sheet 8 of 8

Figure 11.7h

Scale 1 : 5000 at A3



This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005.

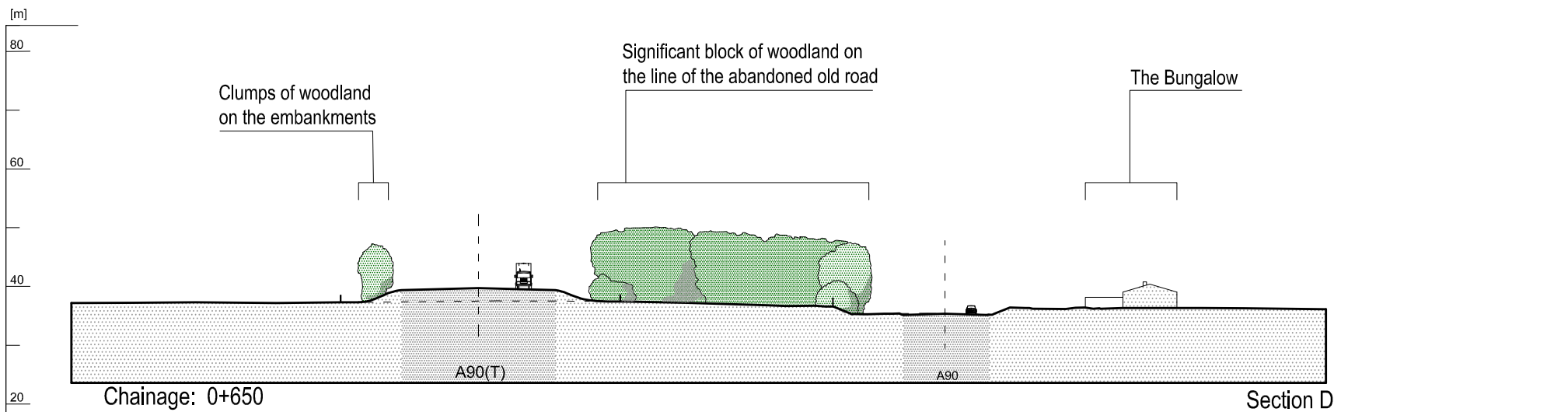
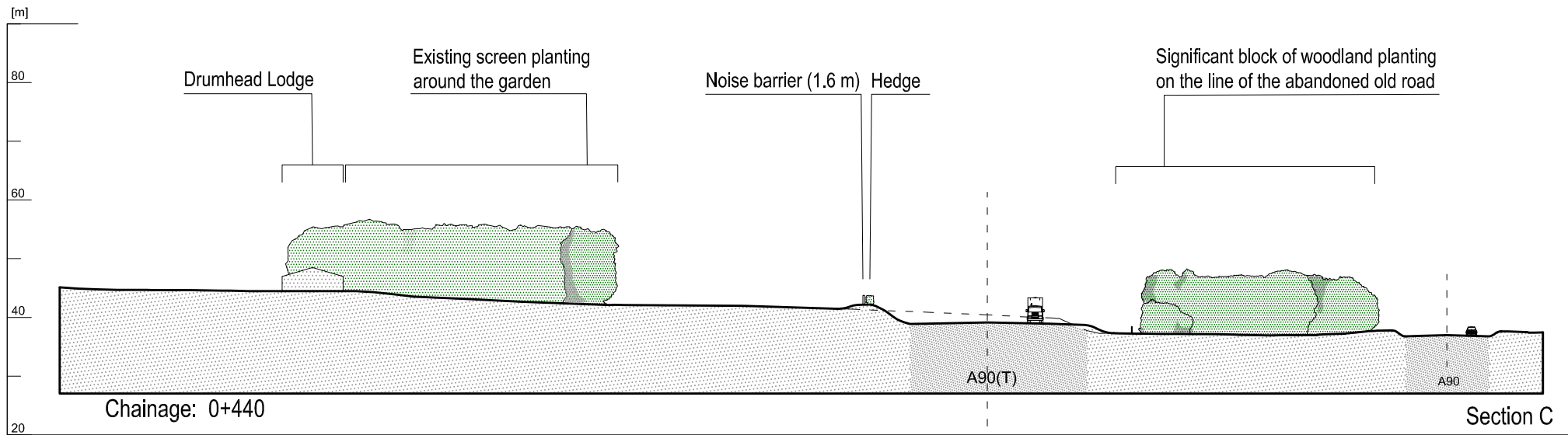


Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tipperty
Outline Landscape Proposals
 Illustrative Cross Sections
 Figure 11.8a



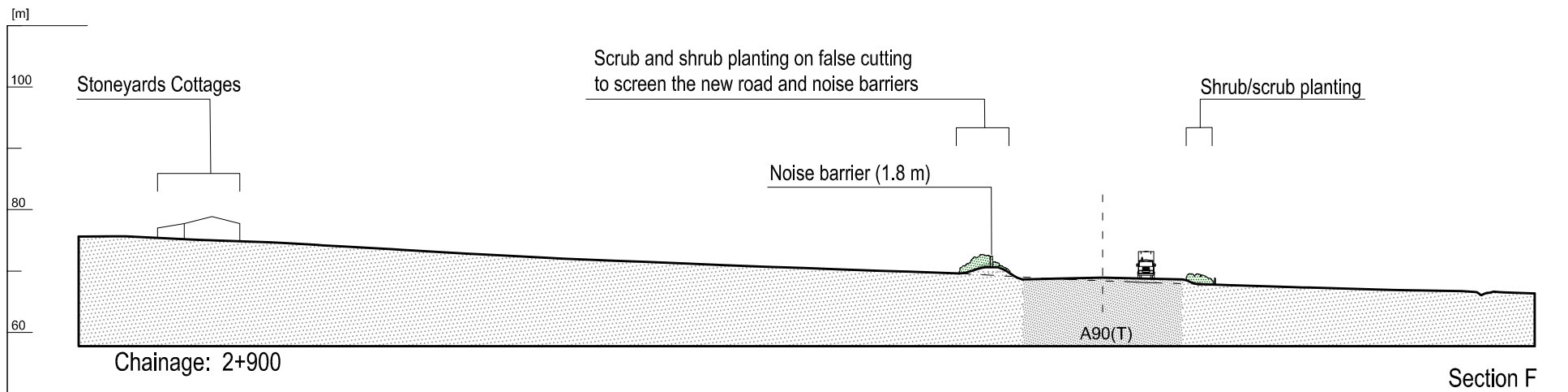
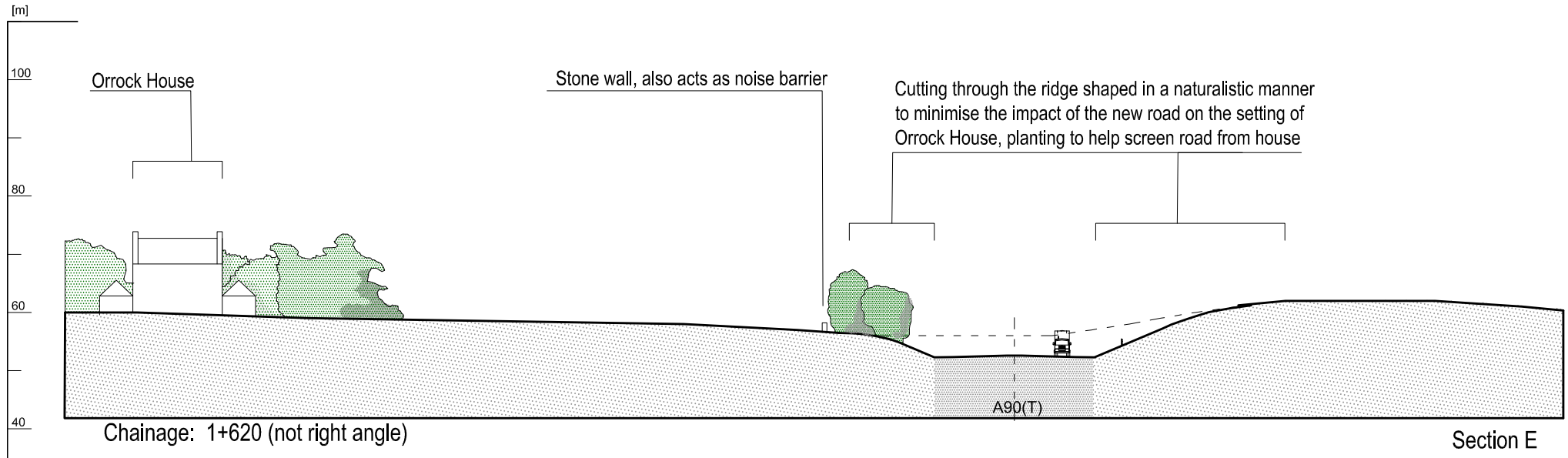
Scale 1 : 100 at A4



Drawn by: KM	Checked by: AJF	Date: 08/07
--------------	-----------------	-------------

A90 Dualling - Balmedie to Tipperty
Outline Landscape Proposals
 Illustrative Cross Sections
 Figure 11.8b
 Scale 1 : 100 at A4

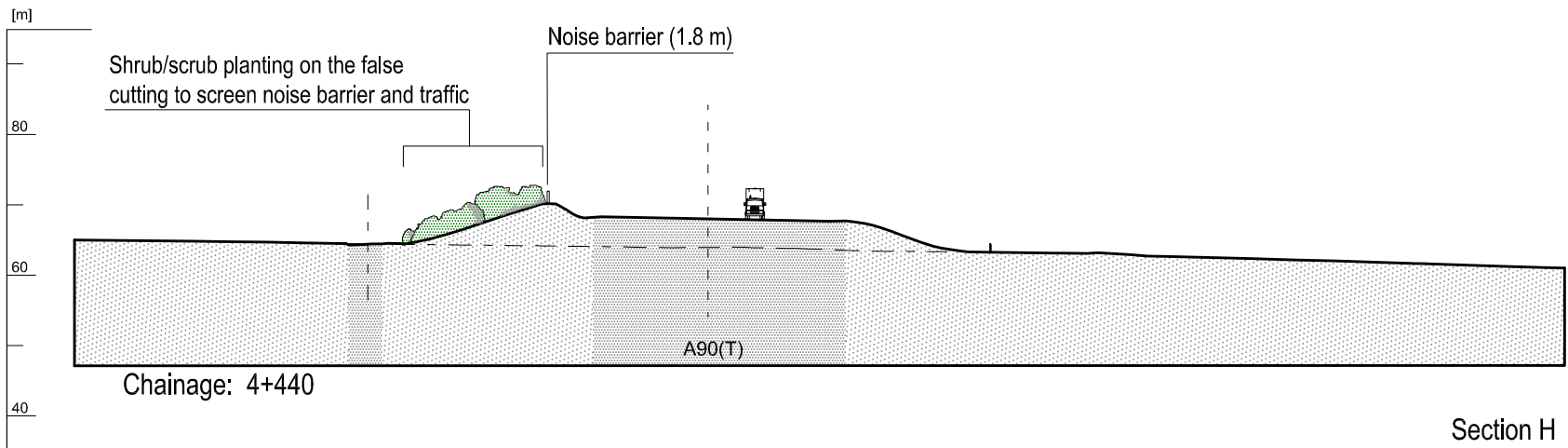
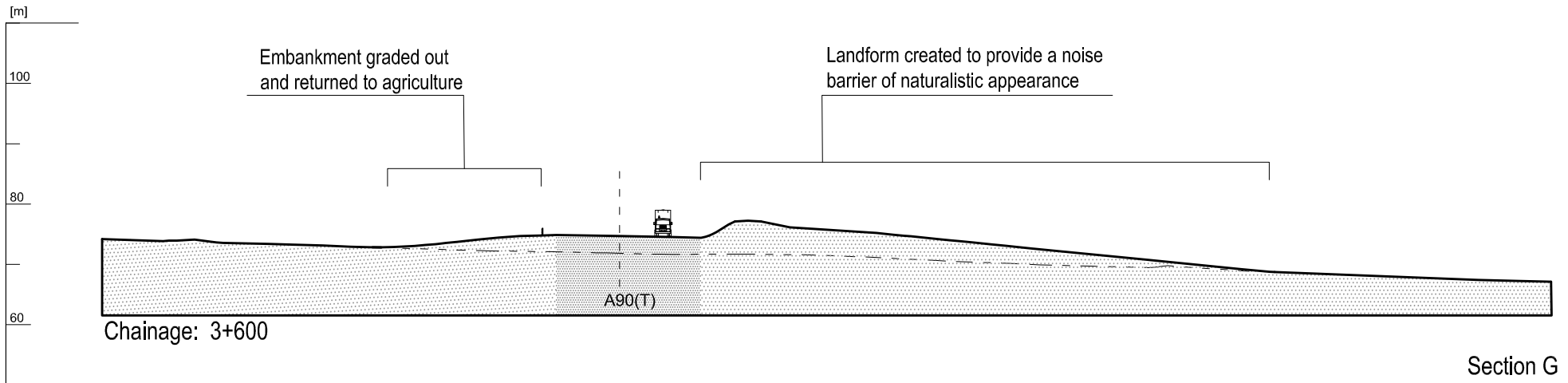




Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tipperty
Outline Landscape Proposals
 Illustrative Cross Sections
 Figure 11.8c
 Scale 1 : 100 at A4



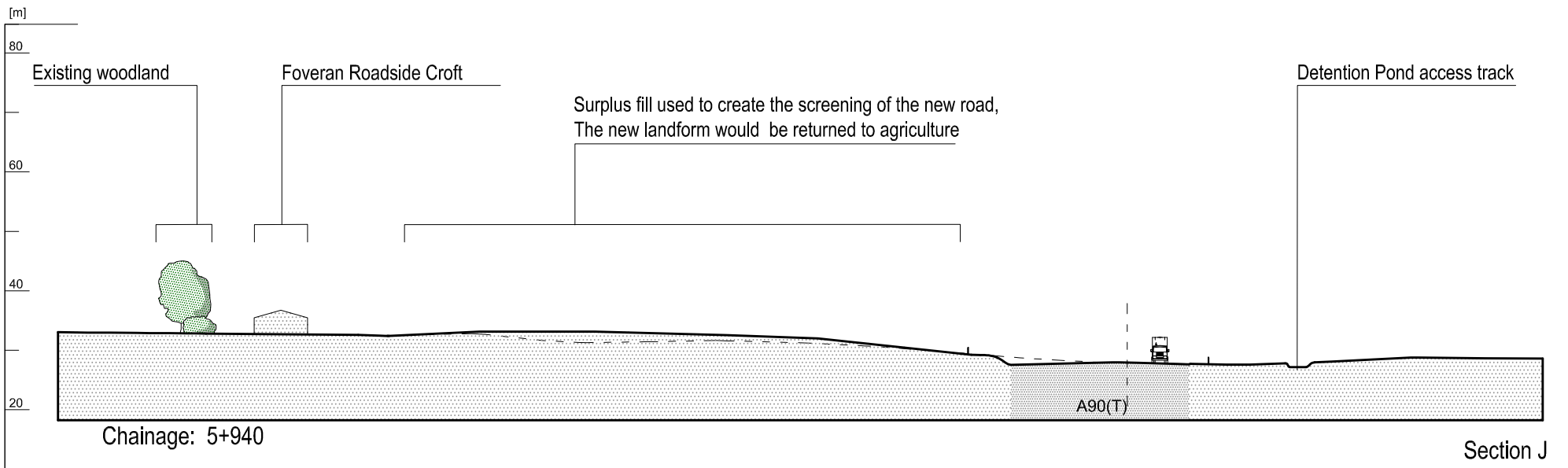
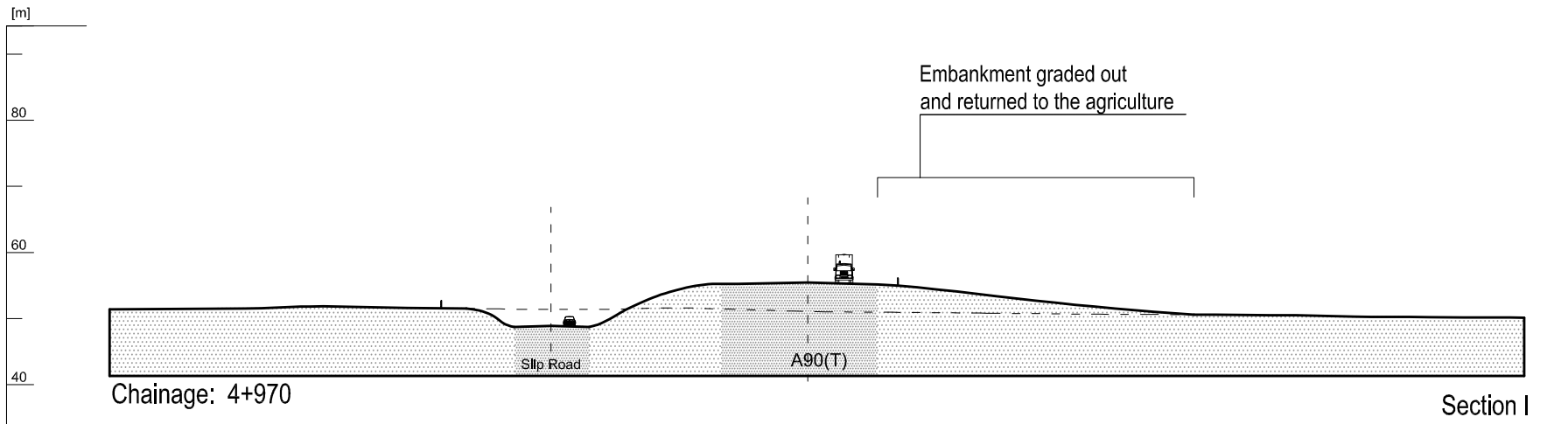


Drawn by: KM	Checked by: AJF	Date: 08/07
--------------	-----------------	-------------

A90 Dualling - Balmedie to Tipperty
Outline Landscape Proposals
 Illustrative Cross Sections
 Figure 11.8d
 Scale 1 : 100 at A4




All agency of Scottish Executive

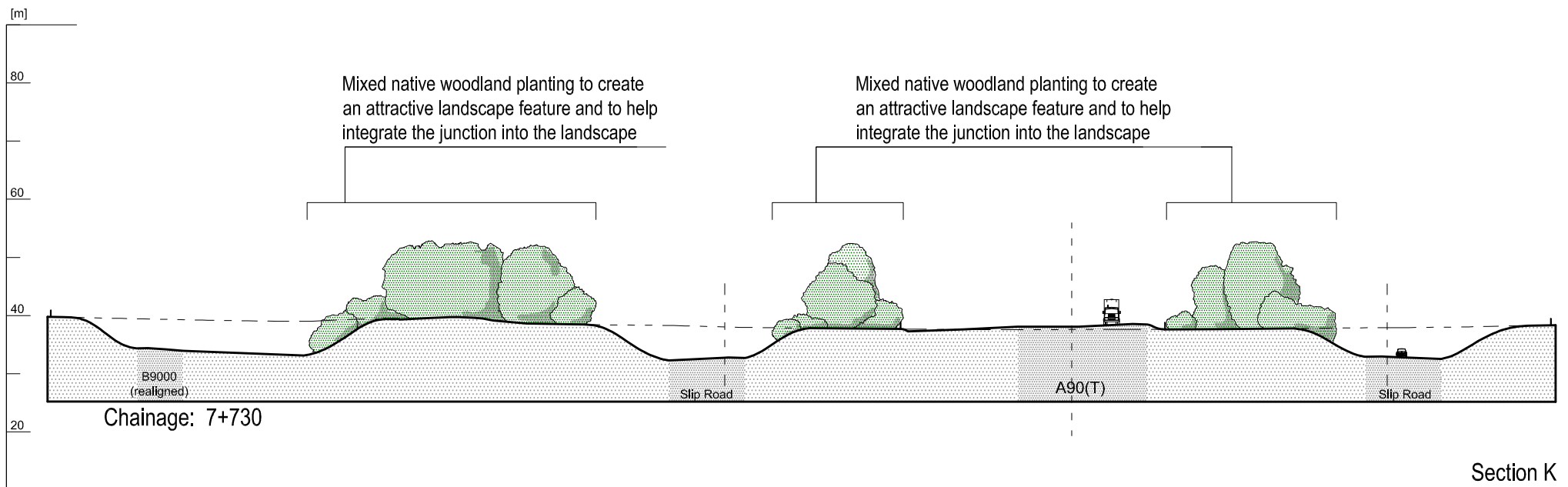


Drawn by: KM	Checked by: AJF	Date: 08/07
--------------	-----------------	-------------

A90 Dualling - Balmedie to Tippetry
Outline Landscape Proposals
 Illustrative Cross Sections
 Figure 11.8e
 Scale 1 : 100 at A4



TRANSPORT SCOTLAND
All agency of



Drawn by: KM	Checked by: AJF	Date: 08/07
--------------	-----------------	-------------




A90 Dualling - Balmedie to Tippetty
Outline Landscape Proposals
 Illustrative Cross Sections
 Figure 11.8f
 Scale 1 : 100 at A4





1. Based Upon Ordnance Survey Mapping With The Permission of The Controller of Her Majesty's Stationary Office, © Crown Copyright, Grontmij Group Licence No: AI 1000 17449.
2. Accuracy of Map Image Not Guaranteed Due to Reproduction Methods.

Key:

-  Viewpoints
-  New A90(T) and side roads
-  Existing A90

Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tippetry

Photomontages
Viewpoints

Figure 11.9

Scale 1 : 50 000 at A4





Photograph 01



Photomontage 01

Drawn by: KM	Checked by: AJF	Date: 08/07
--------------	-----------------	-------------

A90 Dualling - Balmedie to Tippetry

Landscape Impact Photomontages
View towards Orrock House

Figure 11.10





Photograph 02



Photomontage 02

Drawn by: KM	Checked by: AJF	Date: 08/07
--------------	-----------------	-------------

A90 Dualling - Balmedie to Tippetry

**Landscape Impact
Photomontages**

View from Stoneyards Cottages
to the South - East

Figure 11.11



An agency of the Scottish Government



Photograph 03



Photomontage 03

Drawn by: KM	Checked by: AJF	Date: 08/07
--------------	-----------------	-------------

A90 Dualling - Balmedie to Tippetry

Landscape Impact Photomontages
View from Overhill to the East

Figure 11.12



An agency of



Photograph 04



Photomontage 04

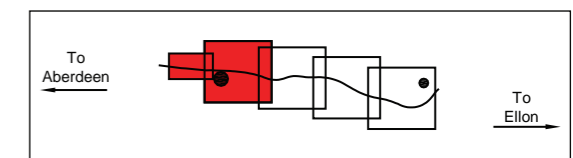
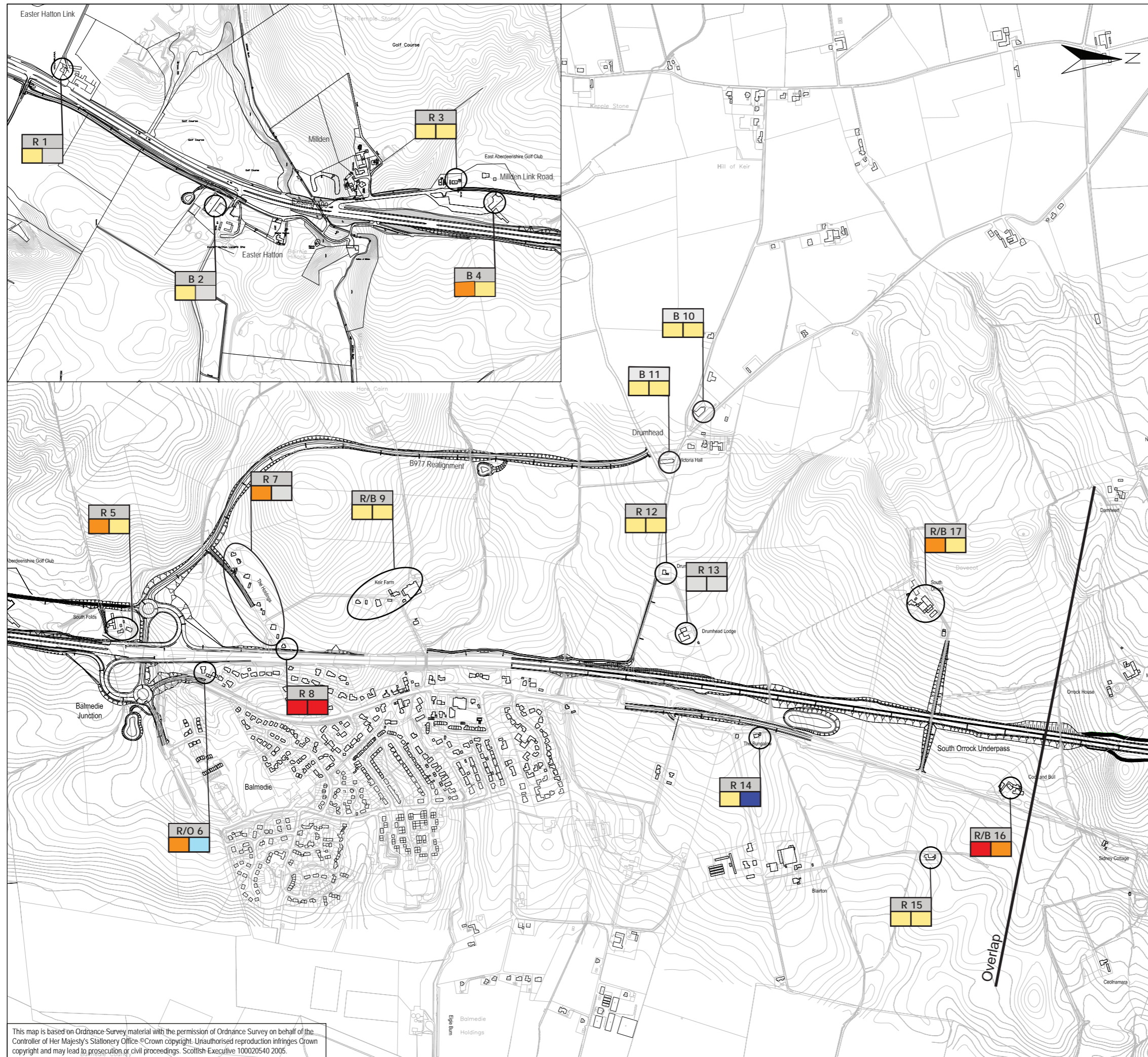
Drawn by: KM	Checked by: AJF	Date: 08/07
--------------	-----------------	-------------

A90 Dualling - Balmedie to Tipperty

Landscape Impact Photomontages
View from Fornety to the West

Figure 11.13





Key:

Flags :

(i)	(ii)	(iii)
-----	------	-------

- (i) Type of receptor / reference number
- (ii) Visual effect in the year of construction (winter)
- (iii) Visual effect 15 years after construction (summer)

Type of Receptor :

- R 1** Residential
- B 1** Business / Indoor Recreation
- O 1** Open Space / Outdoor Recreation
- T 1** Transport

Visual Effect :

- Major adverse
- Moderate adverse
- Minor adverse
- No change or minor (neutral)
- Minor beneficial
- Moderate beneficial

Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tipperty

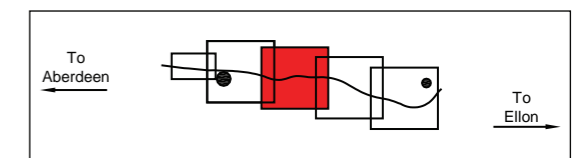
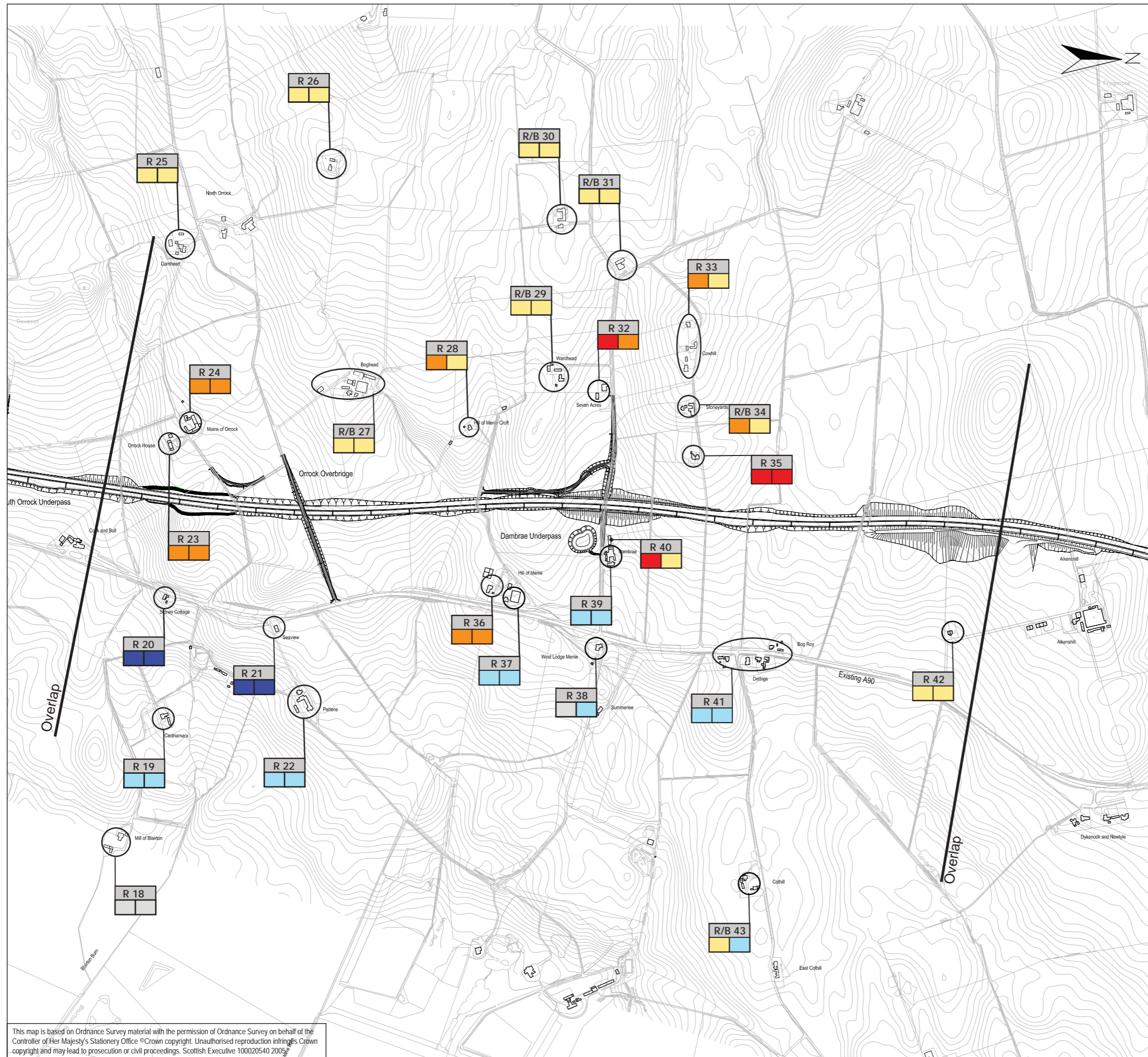
Visual Impact Summary Figures
Sheet 1 of 4

Figure 11.21a

Scale 1 : 10 000 at A3



This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005.



Key:

Flags :

(i)	
(ii)	(iii)

- (i) Type of receptor / reference number
- (ii) Visual effect in the year of construction (winter)
- (iii) Visual effect 15 years after construction (summer)

Type of Receptor :

- R 1** Residential
- B 1** Business / Indoor Recreation
- O 1** Open Space / Outdoor Recreation
- T 1** Transport

Visual Effect :

- Major adverse
- Moderate adverse
- Minor adverse
- No change or minor (neutral)
- Minor beneficial
- Moderate beneficial

Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tipperty

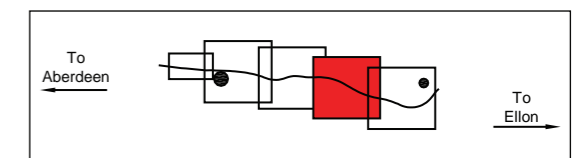
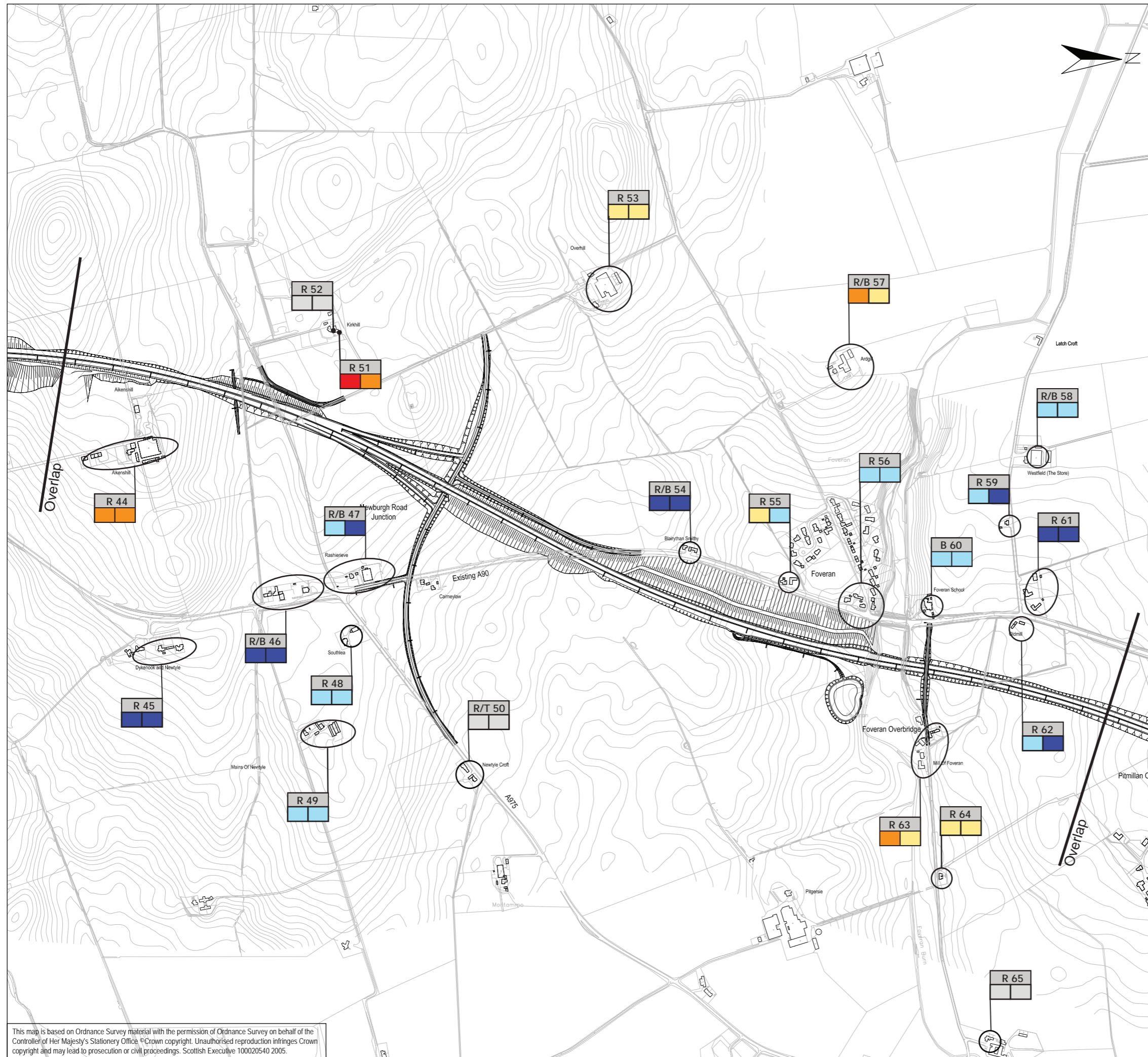
Visual Impact Summary Figures
Sheet 2 of 4

Figure 11.21b

Scale 1 : 10 000 at A3



This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005



Key:

Flags :

(i)	
(ii)	(iii)

- (i) Type of receptor / reference number
- (ii) Visual effect in the year of construction (winter)
- (iii) Visual effect 15 years after construction (summer)

Type of Receptor :

- R 1** Residential
- B 1** Business / Indoor Recreation
- O 1** Open Space / Outdoor Recreation
- T 1** Transport

Visual Effect :

- Major adverse
- Moderate adverse
- Minor adverse
- No change or minor (neutral)
- Minor beneficial
- Moderate beneficial

Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tipperty

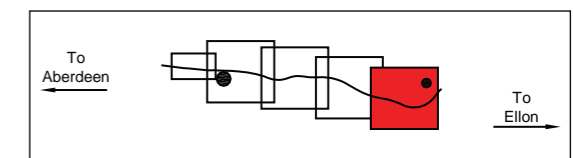
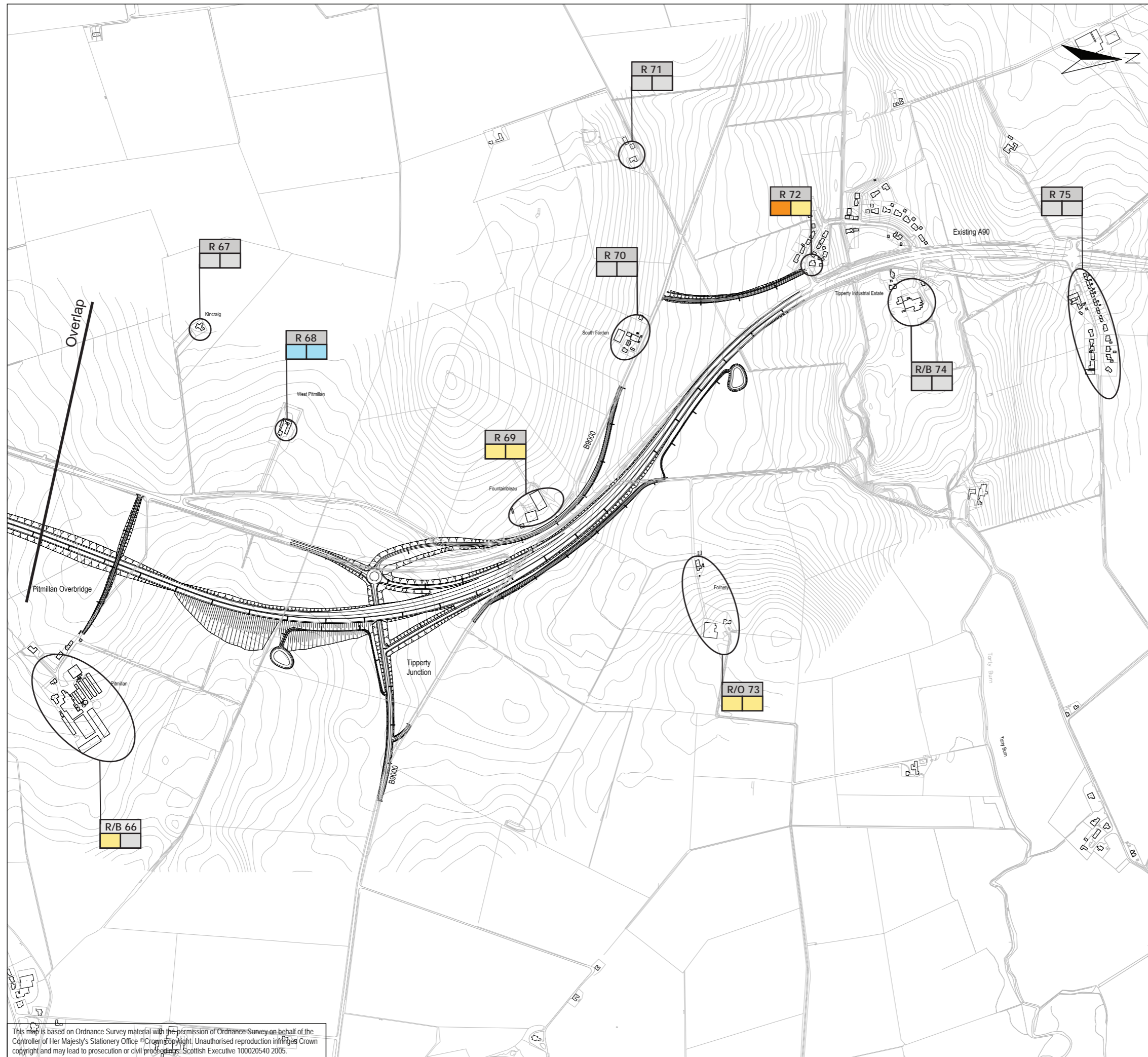
Visual Impact Summary Figures
Sheet 3 of 4

Figure 11.21c

Scale 1 : 10 000 at A3



This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005.



Key:

Flags :

(i)	(ii)	(iii)
-----	------	-------

- (i) Type of receptor / reference number
- (ii) Visual effect in the year of construction (winter)
- (iii) Visual effect 15 years after construction (summer)

Type of Receptor :

- R 1** Residential
- B 1** Business / Indoor Recreation
- O 1** Open Space / Outdoor Recreation
- T 1** Transport

Visual Effect :

- Major adverse
- Moderate adverse
- Minor adverse
- No change or minor (neutral)
- Minor beneficial
- Moderate beneficial

Drawn by: KM Checked by: AJF Date: 08/07

A90 Dualling - Balmedie to Tippetry

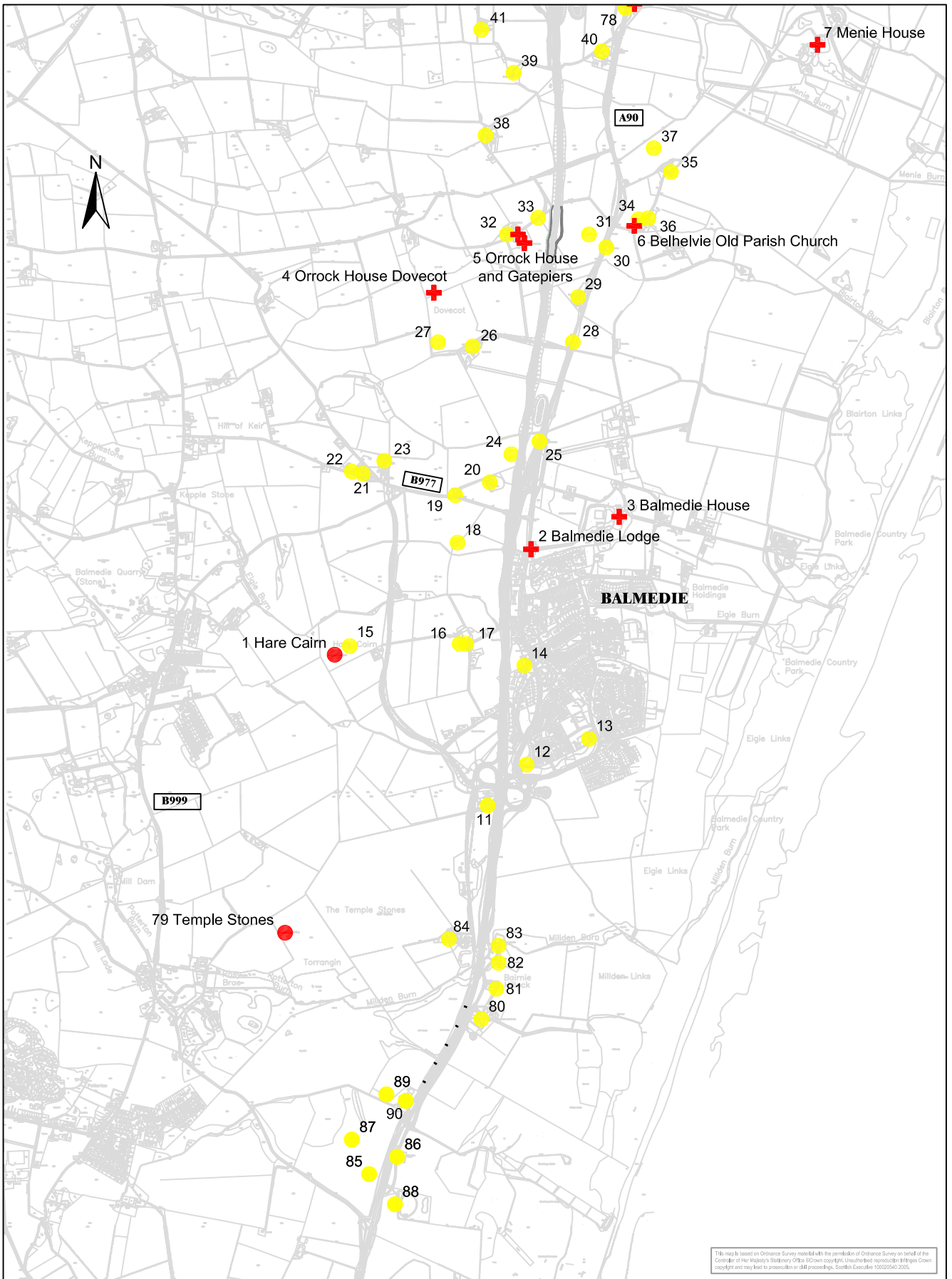
Visual Impact Summary Figures
Sheet 4 of 4

Figure 11.21d

Scale 1 : 10 000 at A3



This map is based on Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. Copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Scottish Executive 100020540 2005.



This map is based on Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. Crown copyright. Unauthorised reproduction of this map is prohibited and may lead to prosecution or other proceedings. Scottish Executive 10/02/04/2005.

- Key:**
- Scheduled Ancient Monument
 - + Listed Building
 - Other Site of Archaeological / Historical Interest
 - 52 Site Number in the Gazetteer of Archaeological and Historic Sites and Monuments (Appendix 12.1)

Drawn by: AM Checked by: AS Date: 08/07

**A90 Dualling - Balmedie to Tippetry
Cultural Heritage Sites within the
Scheme Corridor**

Sheet 1 of 3

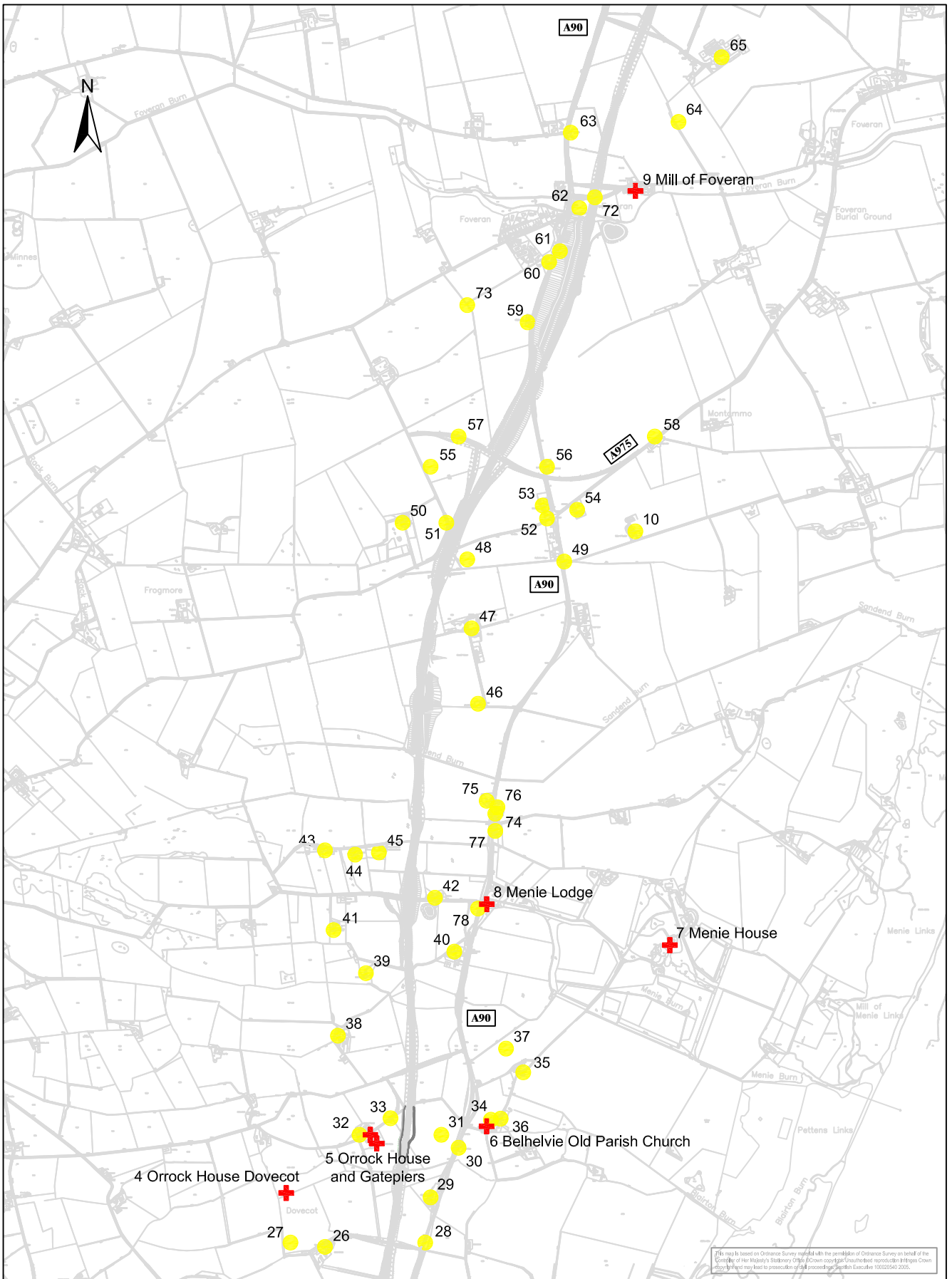
Figure 12.1a

Scale 1 : 25 000 at A4



An agency of SCOTTISH GOVERNMENT

1. Based Upon Ordnance Survey Mapping With The Permission of The Controller of Her Majesty's Stationery Office. © Crown Copyright, Civil Serv Group Licence No: A1 1000 17449.
2. Accuracy of Map Image Not Guaranteed Due to Reproduction Methods.



This map is based on Ordnance Survey Mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or proceedings for infringement. Scottish Executive 10/02/04/2005.

- Key:**
- Scheduled Ancient Monument
 - + Listed Building
 - Other Site of Archaeological / Historical Interest
 - 52 Site Number in the Gazetteer of Archaeological and Historic Sites and Monuments (Appendix 12.1)

drawn by: AM checked by: AS date: 08/07

**A90 Dualling - Balmedie to Tippetry
Cultural Heritage Sites within the
Scheme Corridor**

Sheet 2 of 3
Figure 12.1b

scale 1 : 25 000 at A4



1. Based Upon Ordnance Survey Mapping With the Permission of the Controller of Her Majesty's Stationery Office. © Crown Copyright. Civil Use Licence No: A1 1000 17449.
2. Accuracy of Map Image Not Guaranteed Due to Reproduction Methods.



This map is based on Ordnance Survey data. It is the reproduction of Ordnance Survey data (in part) of the Controller of Her Majesty's Stationery Office. Copyright, Crown Copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or damages. Scottish Executive 10002540 2/05.

- Key:**
- Scheduled Ancient Monument
 - + Listed Building
 - Other Site of Archaeological / Historical Interest
 - 52 Site Number in the Gazetteer of Archaeological and Historic Sites and Monuments (Appendix 12.1)

drawn by: AM checked by: AS date: 08/07

**A90 Dualling - Balmedie to Tippetry
Cultural Heritage Sites within the
Scheme Corridor**

Sheet 3 of 3

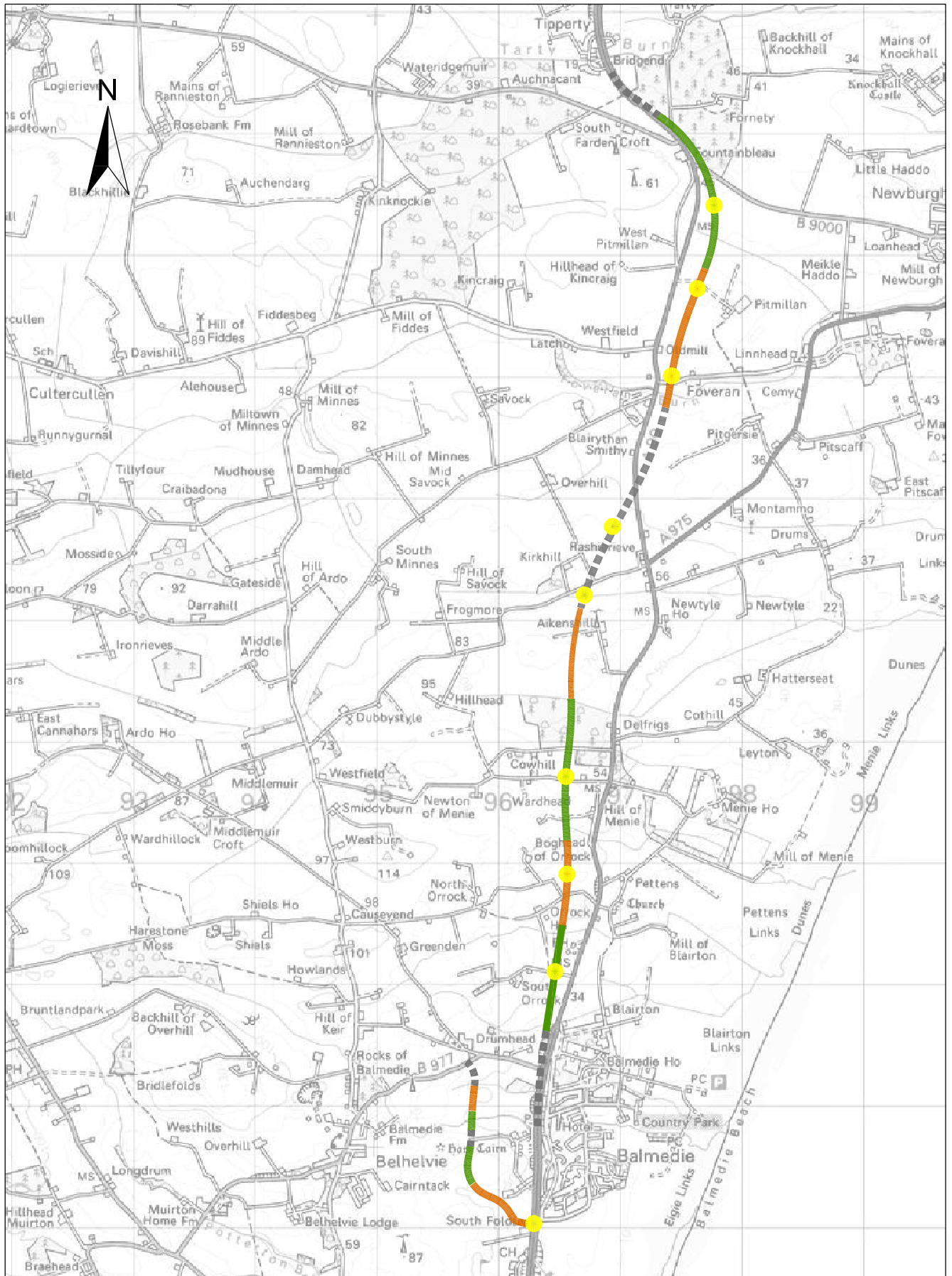
Figure 12.1c

scale 1 : 25 000 at A4



An agency of SCOTTISH GOVERNMENT

1. Based Upon Ordnance Survey Mapping. With The Permission of The Controller of Her Majesty's Stationery Office. © Crown Copyright. Call Geo Group Licence No:AT 1000 17449.
2. Accuracy of Map Image Not Guaranteed Due to Reproduction Methods.



Key:

- Cut Area
- Fill Area
- Principal Structure
- At Grade Area

Drawn by: CG	Checked by: AS	Date: 08/07
--------------	----------------	-------------

A90 Dualling - Balmedie to Tipperty

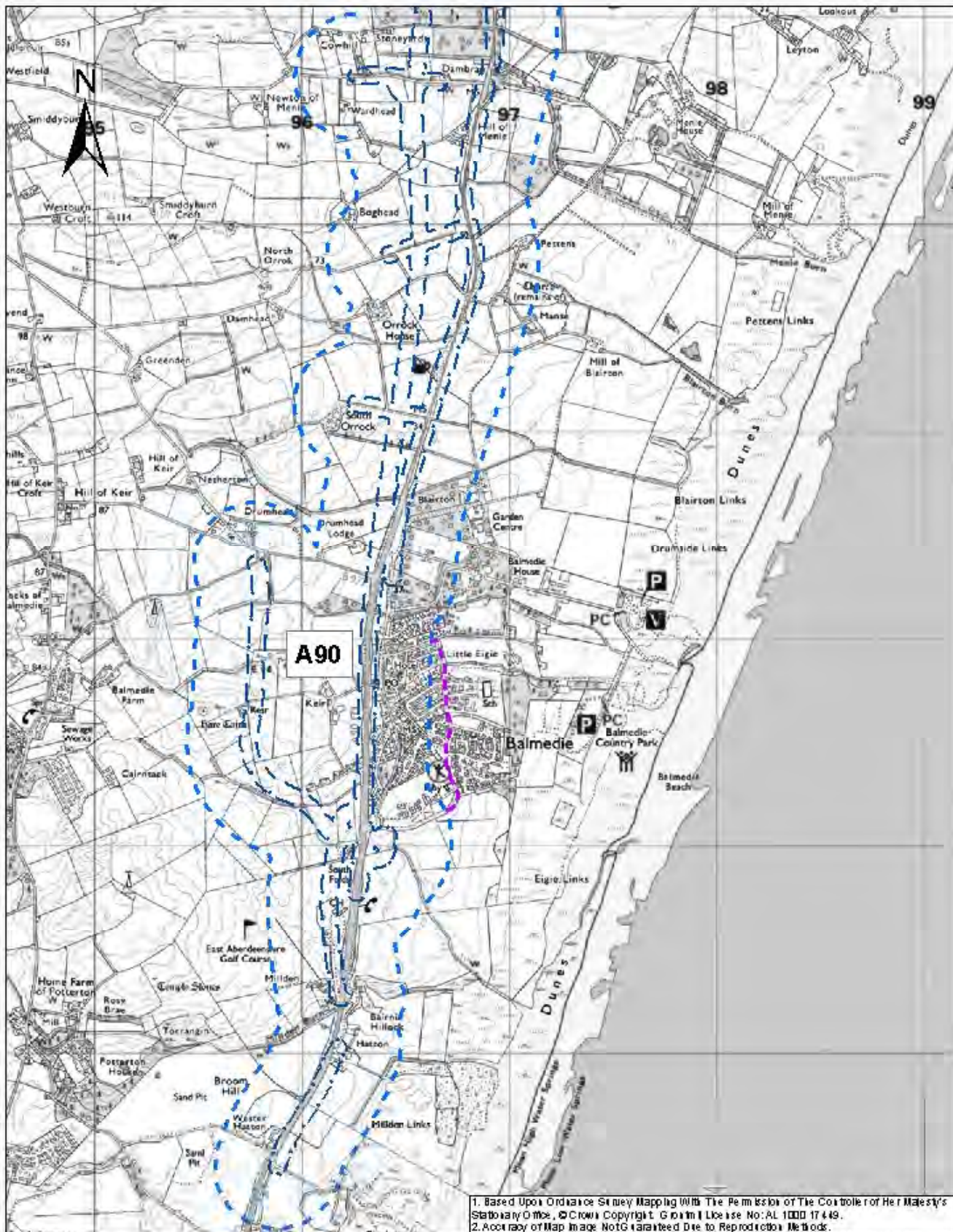
Disruption Due to Construction

Figure 13.1

Scale NTS






An agency of the Scottish Government



1. Based Upon Ordnance Survey Mapping With The Permission of The Controller of Her Majesty's Stationary Office, © Crown Copyright. Grid Reference No: AL 1000 17449.
 2. Accuracy of Map Image. NOT Guaranteed Due to Reproduction Methods.

Key:

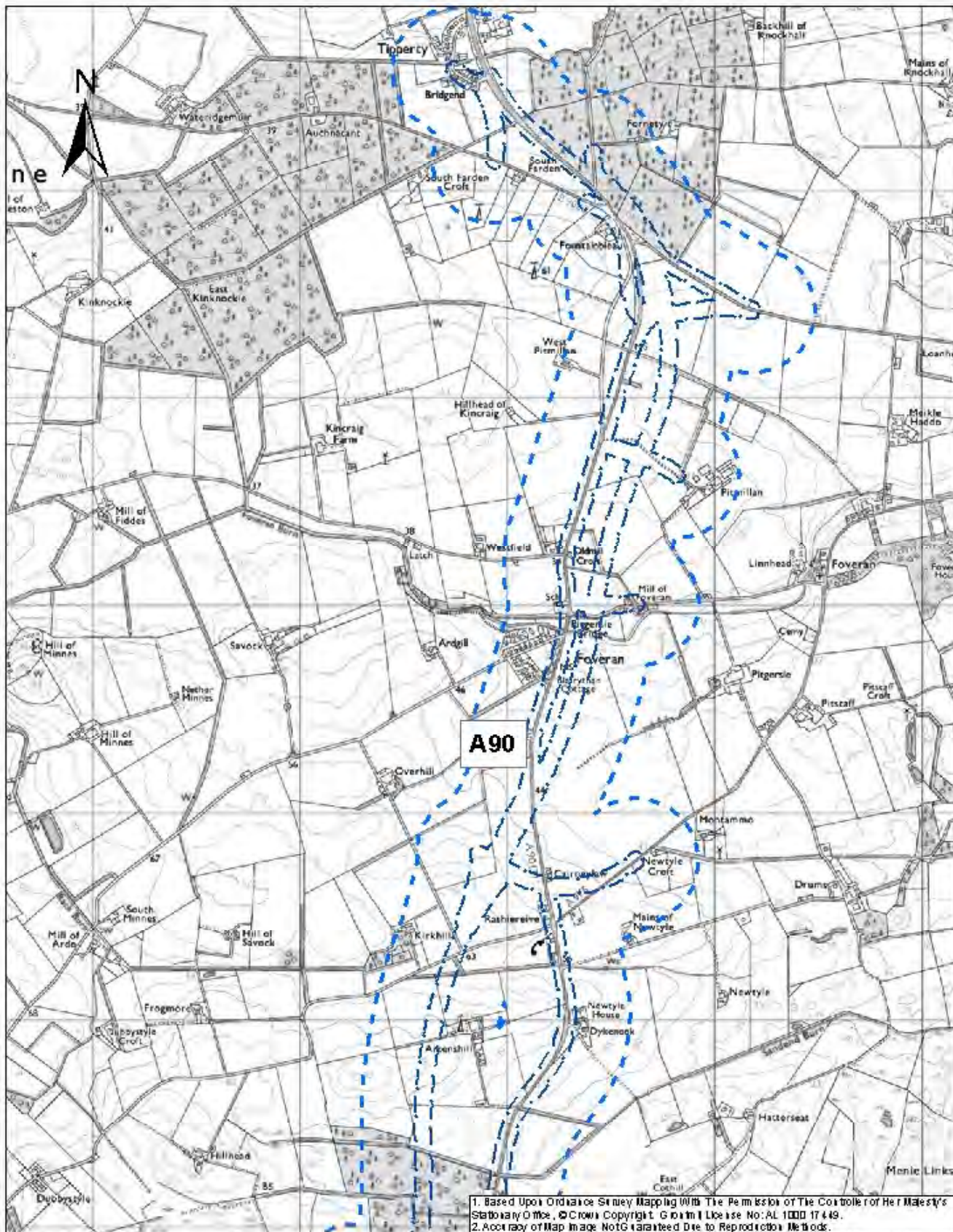
-  Core study area - 40m buffer
-  Core study area - 300m buffer
-  Wider study area

drawn by: LWT checked by: JP date: 08/07
 A90 Dualling - Balmedie to Tipperty

Study Area
 Figure 14.1a






scale 1:25,000 @ A4



1. Based Upon Ordnance Survey Mapping With The Permission Of The Controller Of Her Majesty's Stationary Office, © Crown Copyright. Grid Reference No: AL 1000 17 449.
 2. Accuracy of Map Image. NOT Guaranteed Due to Reproduction Methods.

Key:

-  Core study area - 40m buffer
-  Core study area - 300m buffer
-  Wider study area

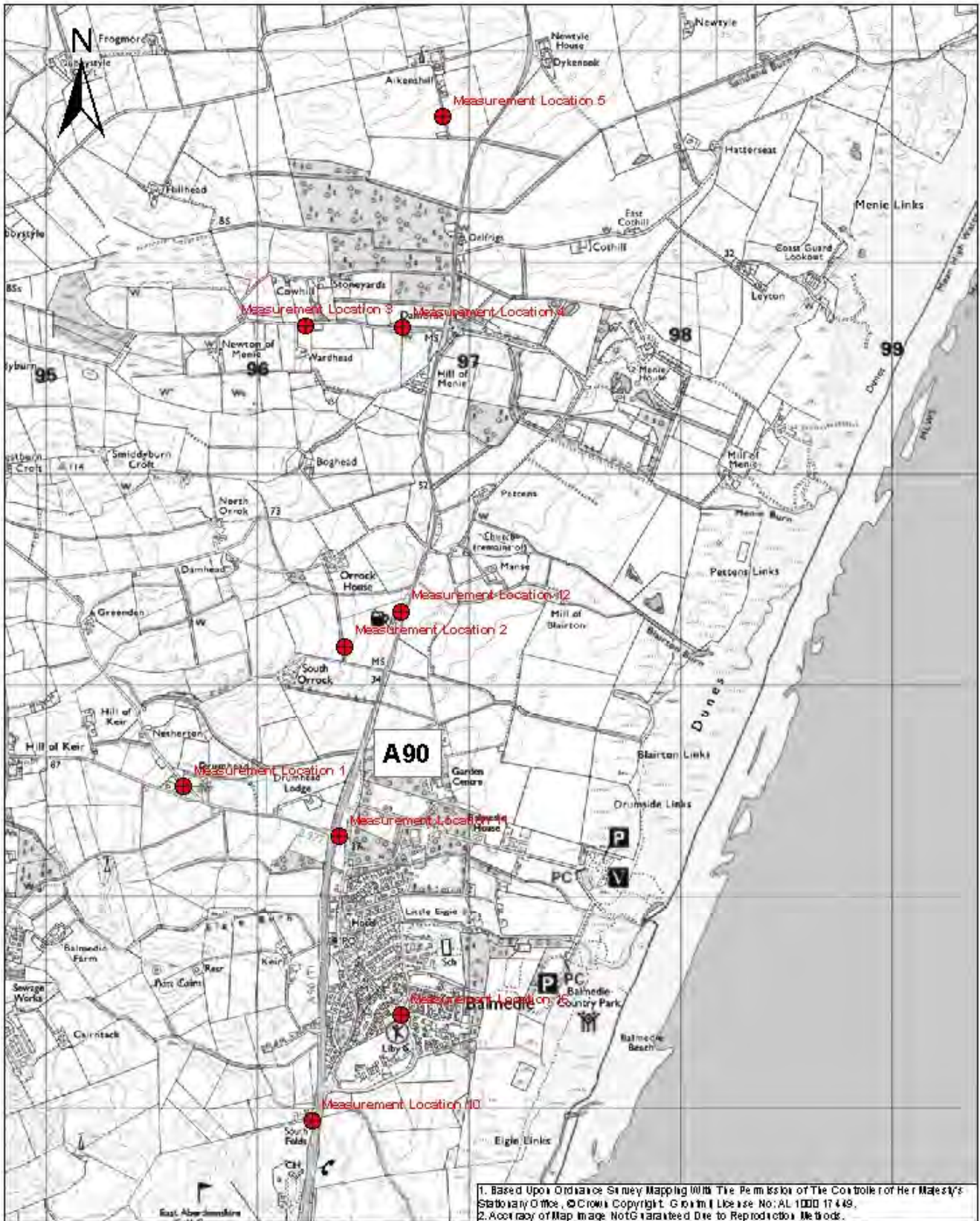
drawn by: LWT checked by: JP date: 08/07

A90 Dualling - Balmedie to Tippierty

Study Area
 Figure 14.1b



scale 1:25,000 @ A4



1. Based Upon Ordnance Survey Mapping With The Permission Of The Controller Of Her Majesty's Stationery Office. © Crown Copyright. Gorm I License No: AL 1000 17 449.
 2. Accuracy of Map Image NOT Guaranteed Due to Reproduction Methods.

Key:
 Measurement Locations

drawn by: LWT checked by: JP date: 08/07

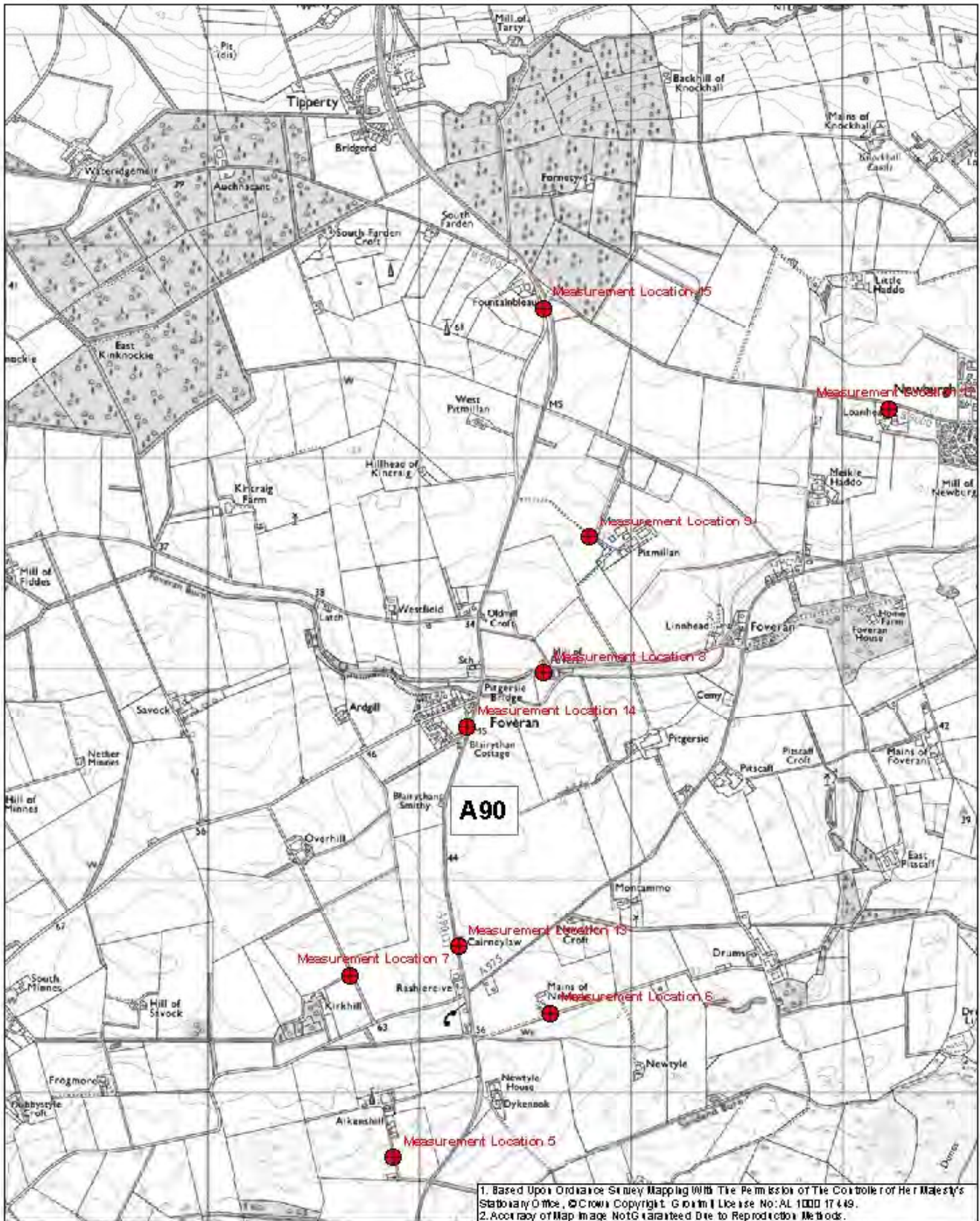
A90 Dualling - Balmedie to Tipperty

Measurement Locations

Figure 14.2a

scale 1:25,000 @ A4





1. Based Upon Ordnance Survey Mapping With The Permission of The Controller of Her Majesty's Stationary Office, © Crown Copyright, G.N.M.I. License No: AL 1000 17 449.
 2. Accuracy of Map Image NOT Guaranteed Due to Reproduction Methods.

Key:

● Measurement Locations

drawn by: LWT checked by: jp date: 08/07

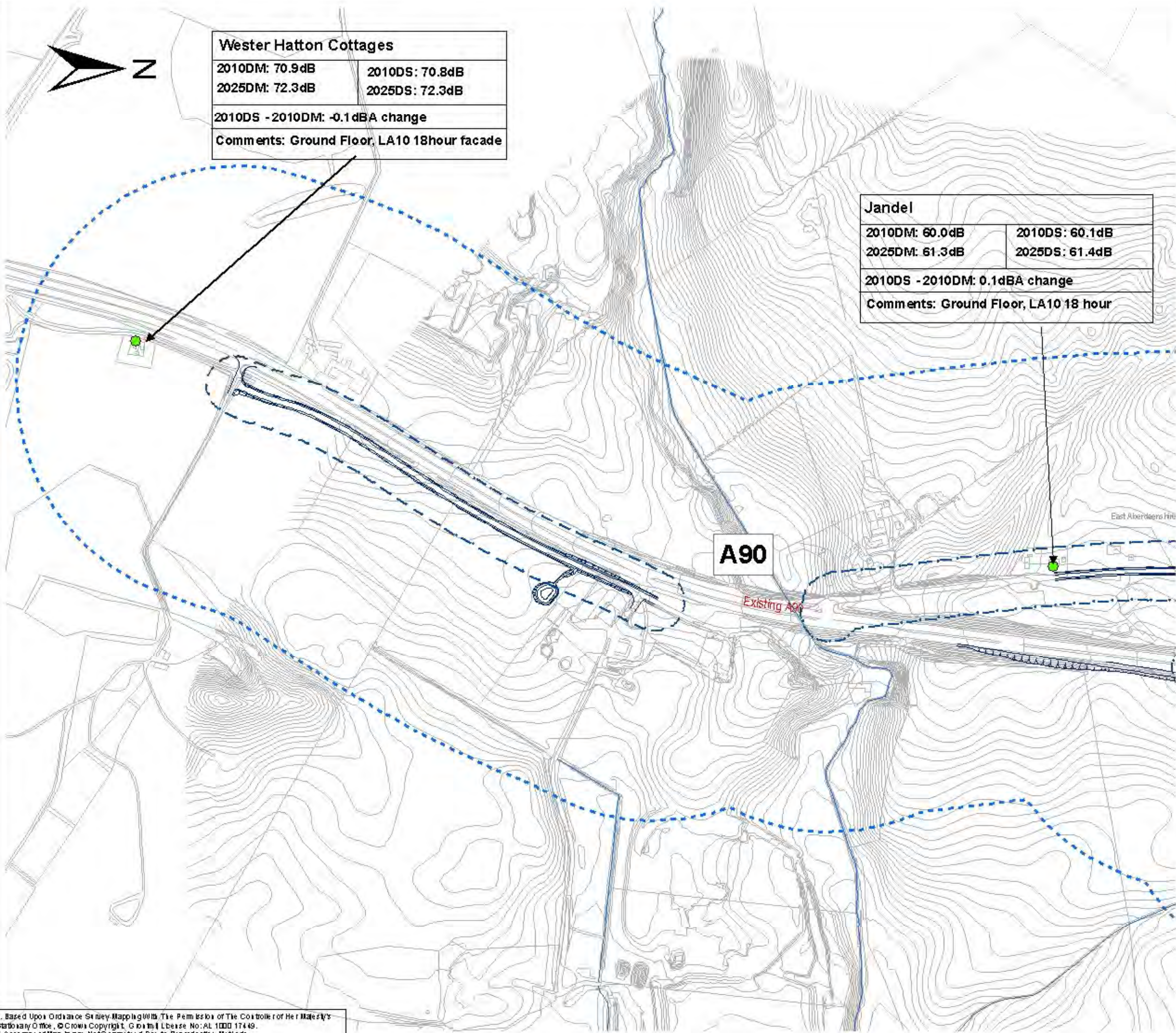
A90 Dualling - Balmedie to Tipperty

Measurement Locations

Figure 14.2b

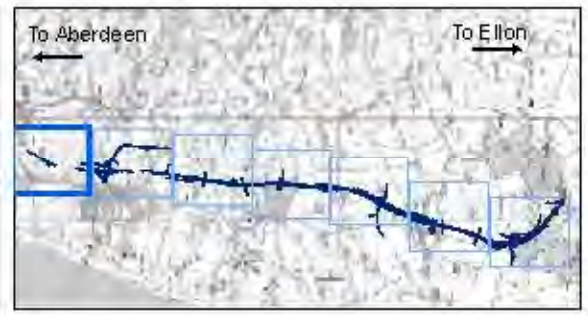
scale 1:25,000@A4





Wester Hatton Cottages	
2010DM: 70.9dB	2010DS: 70.8dB
2025DM: 72.3dB	2025DS: 72.3dB
2010DS - 2010DM: -0.1dBA change	
Comments: Ground Floor, LA10 18hour facade	

Jandel	
2010DM: 60.0dB	2010DS: 60.1dB
2025DM: 61.3dB	2025DS: 61.4dB
2010DS - 2010DM: 0.1dBA change	
Comments: Ground Floor, LA10 18 hour	



- Key:**
- Prediction locations
 - Barriers
 - Core study area - 40m buffer
 - Core study area - 300m buffer
 - Water courses
 - Road layout

Drawn by: LWT	Checked by: JP	Date: 08/07
------------------	-------------------	----------------

A90 Dualling - Balmedie to Tipperty

Predicted sample receptor point noise levels and proposed noise mitigation measures

Figure 14.3a
Scale 1:5000 at A3

1. Based Upon Ordnance Survey Mapping With The Permission of The Controller of Her Majesty's Stationery Office, © Crown Copyright, Geographical Licence No: AL 1000 17449.
2. Accuracy of Map Image Not Guaranteed Due to Reproduction Methods.



Dwelling at The Holdings (west)	
2010DM: 52.5dB	2010DS: 54.8dB
2025DM: 53.9dB	2025DS: 53.8dB
2010DS - 2010DM: 2.3dBA change	
Comment: Ground Floor LA10 18hour	

Dwelling at The Holdings (east)	
2010DM: 76.6dB	2010DS: 75.5dB
2025DM: 78.0dB	2025DS: 76.4dB
2010DS - 2010DM: -1.1dBA change	
Comment: Ground Floor LA10 18hour	

Dwellings at Kier	
2010DM: 64.7dB	2010DS: 65.0dB
2025DM: 66.0dB	2025DS: 66.0dB
2010DS - 2010DM: 0.3dBA change	
Comment: Ground Floor LA10 18hour	

Dwelling at South Fold	
2010DM: 61.7dB	2010DS: 60.6dB
2025DM: 63.1dB	2025DS: 61.4dB
2010DS - 2010DM: -1.1dBA change	
Comment: Ground Floor LA10 18hour	

Dwelling in Balmedie (western edge)	
2010DM: 76.2dB	2010DS: 76.5dB
2025DM: 77.6dB	2025DS: 77.4dB
2010DS - 2010DM: 0.3dBA change	
Comment: Ground Floor LA10 18hour	

Dwelling in Balmedie (South)	
2010DM: 60.9dB	2010DS: 62.0dB
2025DM: 62.4dB	2025DS: 63.1dB
2010DS - 2010DM: 1.1dBA change	
Comment: Ground Floor LA10 18hour	

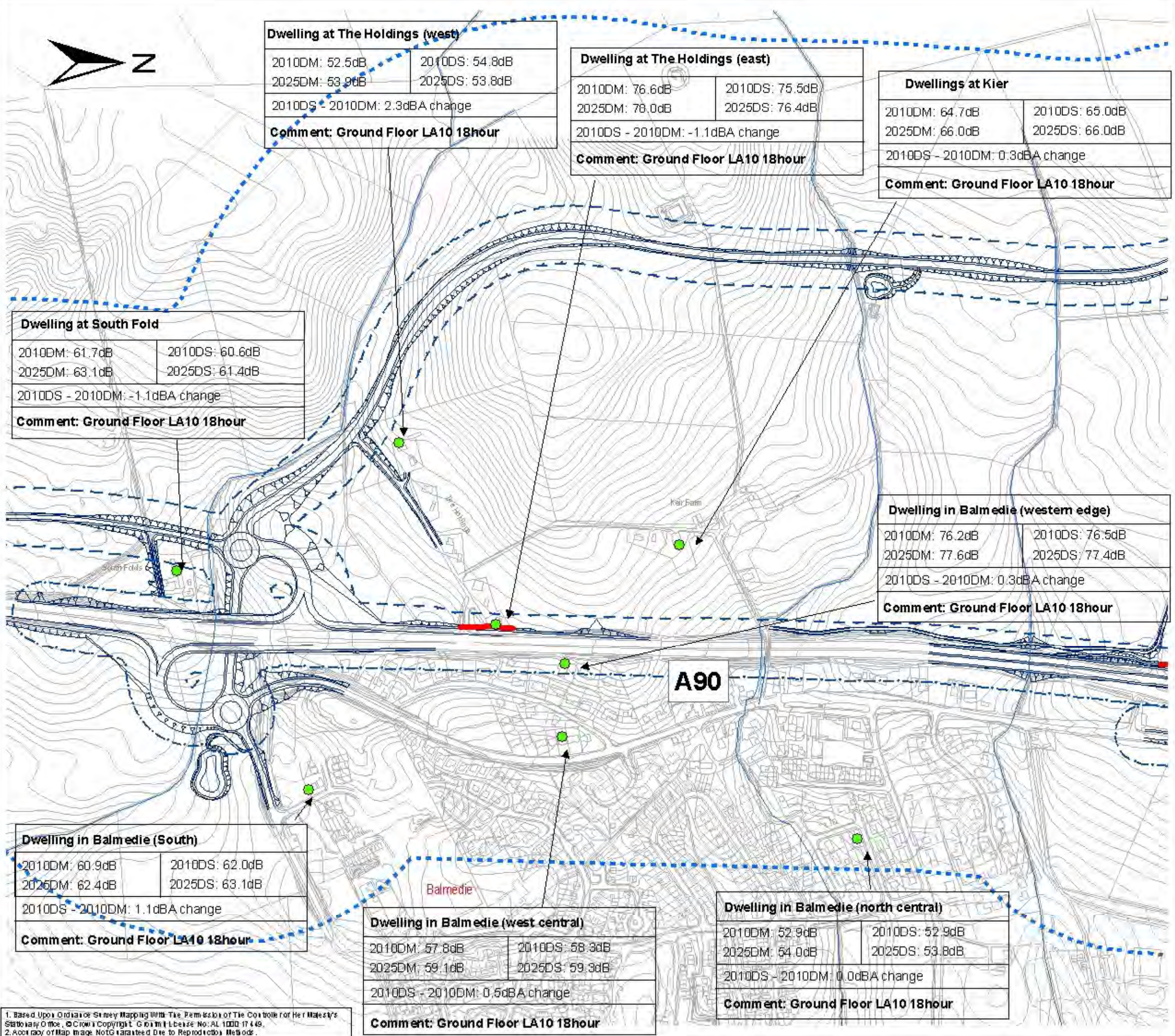
Dwelling in Balmedie (west central)	
2010DM: 57.8dB	2010DS: 58.3dB
2025DM: 59.1dB	2025DS: 59.3dB
2010DS - 2010DM: 0.5dBA change	
Comment: Ground Floor LA10 18hour	

Dwelling in Balmedie (north central)	
2010DM: 52.9dB	2010DS: 52.9dB
2025DM: 54.0dB	2025DS: 53.8dB
2010DS - 2010DM: 0.0dBA change	
Comment: Ground Floor LA10 18hour	



Key:

- Prediction Locations
- Barriers
- Core study area - 40m buffer
- Core study area - 300m buffer
- Water courses
- Road layout



Drawn by: LWT	Checked by: JP	Date: 08/07
------------------	-------------------	----------------

**A90 Dualling - Balmedie to Tipperty
Predicted Sample Receptor
Point Noise Levels and
Proposed Noise Mitigation
Measures**

Figure 14.3b

Scale 1:5000 at A3 Produced by: V&P Group Ltd
Last Updated: July 2007

1. Based Upon Ordnance Survey Mapping With The Permission of The Controller for Her Majesty's Stationary Office. © Crown Copyright. Geographical License No: AL 1000 17 449.
2. Accuracy of Map Image Not Guaranteed Due to Reproduction Methods.

