

100  
Millimetres  
0 10  
DO NOT SCALE

**General Notes**

- New woodland planting to be laid out in a random arrangement to 'blur' the extent of earthworks, stepping in and out of the earthworks footprint to create a naturalistic appearance.
- Species proportion and composition of all planting areas will vary in response to the conditions of the site and character of the surrounding landscape.
- SuDS retention pond, detention basin and swale layouts shown are indicative only.
- All drainage elements shall be naturalistic and sensitively designed, with planting used to integrate the drainage into the local landscape setting.
- Earthworks around SuDS ponds will be graded out to maintain landscape fit.
- Earthworks profiles shall be varied to reflect the existing landscape. Long, consistent profiles shall be avoided.
- The top and toe of all earthworks should be rounded to ensure integration with the existing landscape.
- Areas of exposed rock are to be considered with sensitivity to the surrounding landscape character and 'over-engineered' solutions should be avoided where possible.
- In the absence of specific mitigation measures, all temporary construction areas, including temporary drainage features, are to be reinstated as existing following completion. Existing vegetation in temporary construction areas is to be retained where feasible.
- Deer fencing is to be retained as far as practicable and reinstated where removal is required.
- Combined mammal fencing may vary in specification depending on specific location and species. Refer to Appendices 12.4, 12.9 and 12.10 for more detail.
- 'Large Specification Trees' is to be inclusive of feathered and multi-stem and Extra Heavy Standard specimens with a girth in excess of 14cm. See annotations for more detail.
- Fall prevention measure at retaining walls and other structures to use materials appropriate to the local character and allow for visual permeability.
- Environmental barriers will be integrated physically and visually with the wider landscape features and other infrastructure for the scheme, including graded transitions between barriers of different heights, and between the ends of barriers and the ground.
- The alignment of all mitigation fencing illustrated on these figures is indicative, and will be refined at detailed design stage to ensure NMU, maintenance and landowner access is maintained, whilst also minimising landscape and visual impacts and preventing access by mammals onto the carriageway whilst maintaining access into the wider landscape. If fencing is required to cross access tracks, mammal proof gates will be used to prevent access onto the carriageway.
- All lay-bys will receive embedded design composing of a separation strip and bin collection facilities. Specific environmental mitigation applying to selected lay-bys to receive a level of enhancement are noted on the respective sheets of this figure.

**Coniferous Woodland Mix**

- Trees**  
*Betula pendula*  
*Betula pubescens*  
*Larix decidua* (<2.5%)  
*Pinus sylvestris* (Dominant species)  
*Populus tremula*  
*Sorbus aucuparia*

- Shrubs**  
*Calluna vulgaris*  
*Erica cinerea*  
*Juniperus communis*  
*Vaccinium myrtillus*  
*Vaccinium vitis-idaea*

**Mixed Woodland Mix**

- Trees**  
*Betula pendula*  
*Betula pubescens*

**Wet Woodland Mix**

- Trees**  
*Alnus glutinosa*  
*Betula pendula*  
*Betula pubescens*  
*Populus tremula*
- Shrubs**  
*Calluna vulgaris*  
*Erica cinerea*  
*Juniperus communis*  
*Vaccinium myrtillus*  
*Vaccinium vitis-idaea*

**Aspen/Birch Woodland Mix**

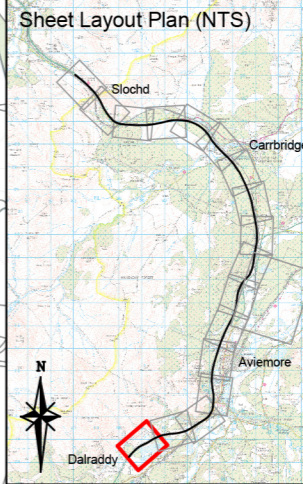
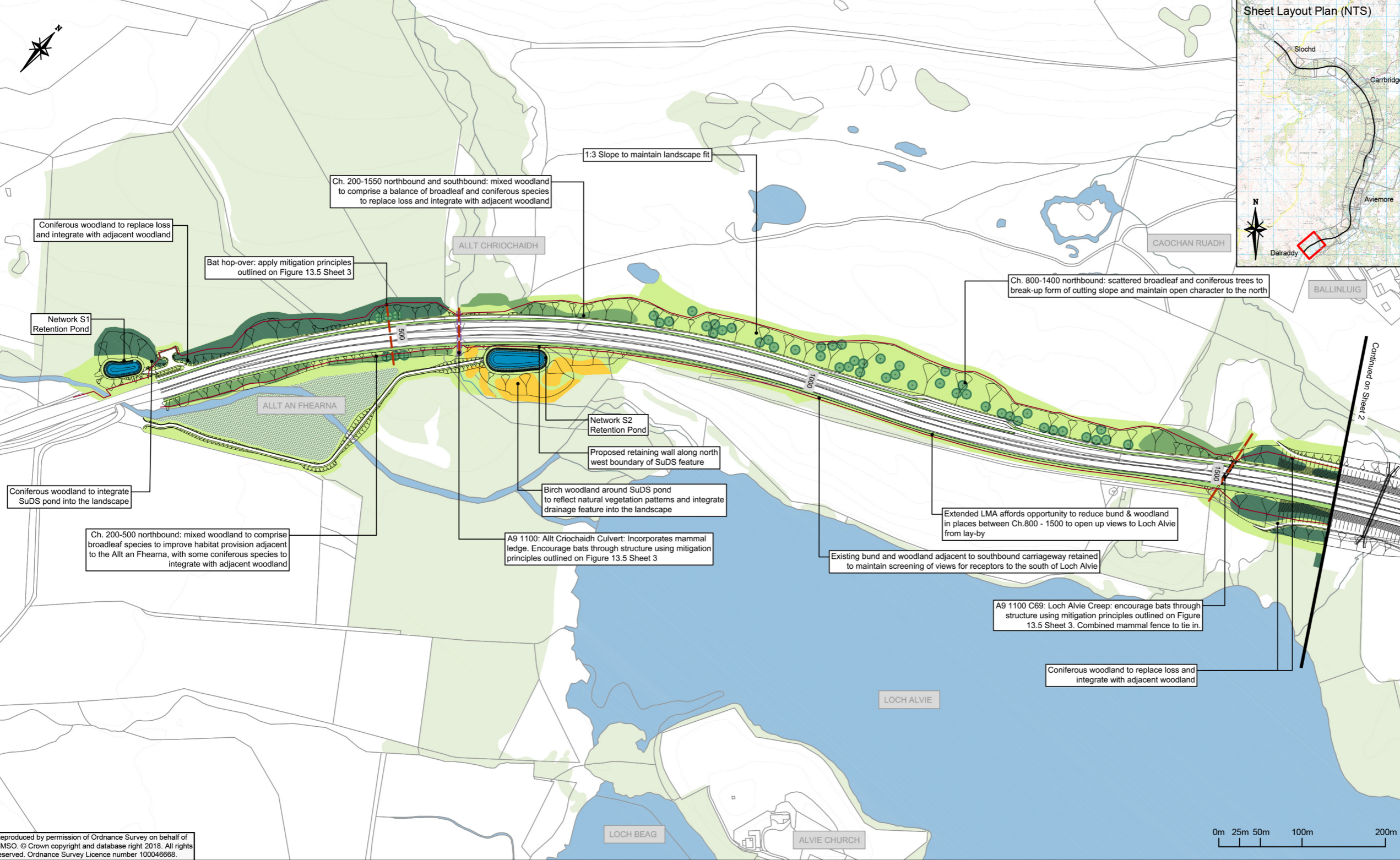
- Trees**  
*Betula pubescens*  
*Betula pendula*  
*Populus tremula*  
*Quercus petraea*
- Shrubs**  
*Corylus avellana* (<5%)  
*Juniperus communis*  
*Myrica gale*

**Scattered/Specimen Trees**

- Trees**  
*Alnus glutinosa*  
*Betula pendula*  
*Betula pubescens*  
*Pinus sylvestris*  
*Populus tremula*  
*Prunus avium*  
*Quercus petraea*  
*Salix caprea*  
*Sorbus aucuparia*  
*Ulmus glabra*

**Legend**

- Proposed Route
- 5m Contours
- Existing Railway - Highland Main Line
- Existing Woodland Retained (Outside LMA)
- Existing Woodland Retained (Inside LMA)
- Retained Woodland to include Bat Boxes
- Existing Watercourses and Waterbodies
- Proposed SuDS: Treatment Pond
- Proposed SuDS: Detention Basin
- Proposed Verge Grassland Mix
- Proposed Acid Grassland Mix
- Proposed Wet Grassland Mix
- Proposed Dry Heath
- Proposed Coniferous Woodland
- Proposed Mixed Woodland (Refer to annotations for species composition)
- Proposed Birch Woodland
- Proposed Aspen Woodland
- Proposed Wet Woodland
- Proposed Scattered Trees
- Proposed Large Specification Trees
- Proposed Scrub
- Bat Crossing Location (Refer to annotations for details)
- Culvert/Bridge with Mammal Provision
- Mammal Underpass
- Combined Mammal Fencing
- Otter Fencing
- Wildcat Fencing
- Stockproof Fencing
- Exposed Rock



P01	JM	SB	SB	19/04/18
FIRST ISSUE				
P02	JM	JM	JM	23/05/18
SECOND ISSUE				
P03	GD	SB	SB	27/07/18
THIRD ISSUE				
P04	GD	JM	SB	15/08/18
FOURTH ISSUE				
P05	GD	SB	SB	17/08/18
FIFTH ISSUE				
Rev	Drawn / Des	Checked	Approved	Date
Description				
Drawing Status				Suitability
FINAL				B

Client: **TRANSPORT SCOTLAND**  
COMHDHAIL ALBA



ATKINS mouchel

Drawing Title: **Figure 13.4 Landscape & Ecological Mitigation Sheet 1 of 18**

Scale: 1:5000	Designed / Drawn: GD	Checked: SB	Approved: SB	Authorised: SB
Original Size: A3	Date: 17/08/18	Date: 17/08/18	Date: 17/08/18	Date: 17/08/18
Drawing Number: A9P11 - AMJ - ELS - A_ZZDS_EM - DR - LA - 0001	Originator: Volume	Revision: P05		

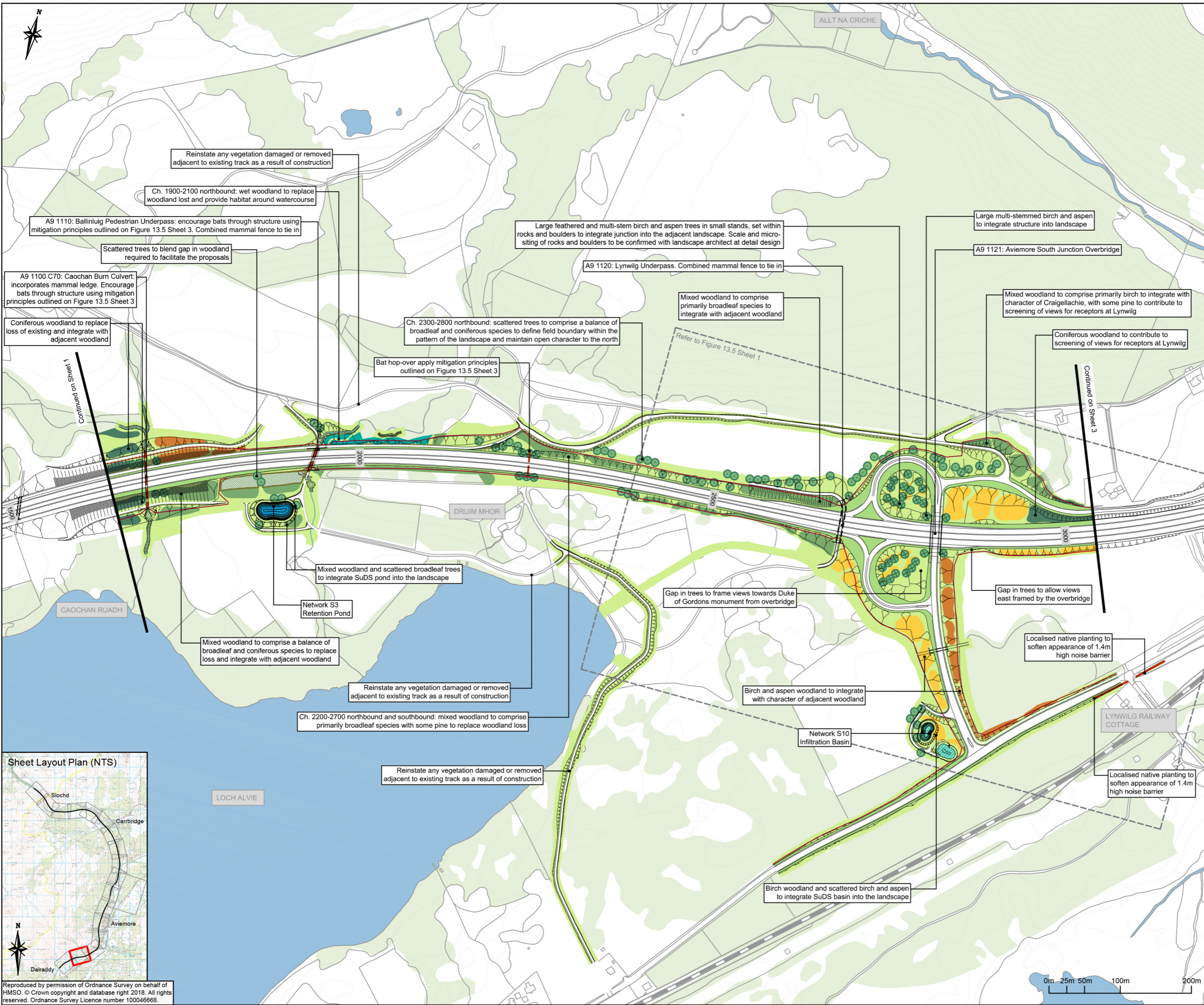
Plotter: Aug 17, 2018 - 4:33pm by: DEEP3101

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey Licence number 100046668.





100  
0 10  
Millimetres  
DO NOT SCALE



- Proposed Route
- 5m Contours
- Existing Railway - Highland Main Line
- Existing Woodland Retained (Outside LMA)
- Existing Woodland Retained (Inside LMA)
- Retained Woodland to include Bat Boxes
- Existing Watercourses and Waterbodies
- Proposed SuDS: Treatment Pond
- Proposed SuDS: Detention Basin
- Proposed Verge Grassland Mix
- Proposed Acid Grassland Mix
- Proposed Wet Grassland Mix
- Proposed Dry Heath
- Proposed Coniferous Woodland
- Proposed Mixed Woodland (Refer to annotations for species composition)
- Proposed Birch Woodland
- Proposed Aspen Woodland
- Proposed Wet Woodland
- Proposed Scattered Trees
- Proposed Large Specification Trees
- Proposed Scrub
- Bat Crossing Location (Refer to annotations for details)
- Culvert/Bridge with Mammal Provision
- Mammal Underpass
- Combined Mammal Fencing
- Otter Fencing
- Wildcat Fencing
- Stockproof Fencing
- Exposed Rock

NB. For general notes relating to this drawing, including planting mixes, refer to Sheet 1

P01	JM	SB	SB	19/04/18
FIRST ISSUE				
P02	GD	JM	JM	23/05/18
SECOND ISSUE				
P03	GD	SB	SB	27/07/18
THIRD ISSUE				
P04	GD	JM	SB	15/08/18
FOURTH ISSUE				
P05	GD	SB	SB	17/08/18
FIFTH ISSUE				

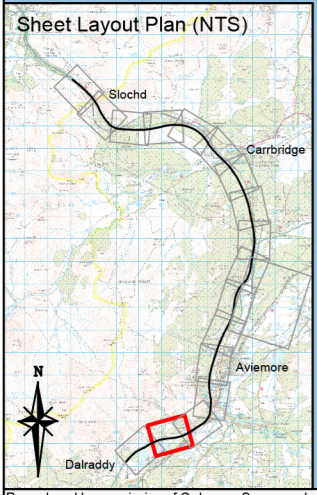
Rev	Drawn / Des	Checked	Approved	Date
Description				
Drawing Status				Suitability
FINAL				B

Client  
**TRANSPORT SCOTLAND**  
 COMHDHAIL ALBA

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

**ATKINS mouchel**

Drawing Title				
Figure 13.4 Landscape & Ecological Mitigation Sheet 2 of 18				
Scale	Designed / Drawn	Checked	Approved	Authorised
1:5000	GD	SB	SB	SB
Original Size	Date	Date	Date	Date
A3	17/08/18	17/08/18	17/08/18	17/08/18
Drawing Number	Originator	Volume	Revision	
Project	A9P11 - AMJ - ELS -	A_ZZDS_EM - DR - LA - 0002	P05	
Location	Type	Role	Number	



Plotted: Aug 17, 2018 - 4:38pm by: DEEP3101

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey Licence number 100046668.