

Riparian Woodland 1 (RW1)			
For use within 2km of Dyce airport ch.315620 - ch.325020			
Tree and shrub planting at a density of 1 plant per square metre			
Species	Common Name	Type	%
Alnus glutinosa	Common Alder	Cell Grown or Transplant	5
Betula pubescens	Downy Birch	Cell Grown or Transplant	15
Salix caprea	Goat Willow	Cell Grown or Transplant	20
Salix cinerea	Grey Willow	Cell Grown or Transplant	60

Riparian Woodland 2 (RW2)			
Tree and shrub planting at a density of 1 plant per square metre			
Species	Common Name	Type	%
Alnus glutinosa	Common Alder	Cell Grown or Transplant	10
Betula pubescens	Downy Birch	Cell Grown or Transplant	15
Corylus avellana	Hazel	Cell Grown or Transplant	2
Crataegus monogyna	Common Hawthorn	Cell Grown or Transplant	3
Populus tremula	Aspen	Cell Grown or Transplant	2
Salix caprea	Goat Willow	Cell Grown or Transplant	30
Salix cinerea	Grey Willow	Cell Grown or Transplant	35
Sorbus aucuparia	Rowan	Cell Grown or Transplant	3

Riparian Woodland 3 (RW3)			
Tree and shrub planting at a density of 1 plant per square metre			
Species	Common Name	Type	%
Alnus glutinosa	Common Alder	Cell Grown or Transplant	20
Betula pendula	Silver Birch	Cell Grown or Transplant	5
Betula pubescens	Downy Birch	Cell Grown or Transplant	45
Corylus avellana	Hazel	Cell Grown or Transplant	2
Crataegus monogyna	Common Hawthorn	Cell Grown or Transplant	2
Ilex aquifolium	Holly	Container Grown	2
Populus tremula	Aspen	Cell Grown or Transplant	2
Salix caprea	Goat Willow	Cell Grown or Transplant	8
Salix cinerea	Grey Willow	Cell Grown or Transplant	2
Sorbus aucuparia	Rowan	Cell Grown or Transplant	5
Tilia cordata	Small Leaved Lime	Cell Grown or Transplant	2
Ulmus glabra	Wych Elm	Cell Grown or Transplant	5

Riparian Woodland 4 (RW4)			
Tree and shrub planting at a density of 1 plant per square metre			
Species	Common Name	Type	%
Alnus glutinosa	Common Alder	Cell Grown or Transplant	40
Betula pendula	Silver Birch	Cell Grown or Transplant	5
Betula pubescens	Downy Birch	Cell Grown or Transplant	15
Corylus avellana	Hazel	Cell Grown or Transplant	2
Crataegus monogyna	Common Hawthorn	Cell Grown or Transplant	2
Ilex aquifolium	Holly	Container Grown	2
Pinus sylvestris	Scots Pine	Cell Grown	2
Populus tremula	Aspen	Cell Grown or Transplant	5
Salix caprea	Goat Willow	Cell Grown or Transplant	8
Salix cinerea	Grey Willow	Cell Grown or Transplant	2
Sorbus aucuparia	Rowan	Cell Grown or Transplant	2
Tilia cordata	Small Leaved Lime	Cell Grown or Transplant	5
Ulmus glabra	Wych Elm	Cell Grown or Transplant	10

Scrub Woodland 1 (SW1)			
Tree and shrub planting at a density of 1 plant per square metre			
Species	Common Name	Type	%
Corylus avellana	Hazel	Cell Grown or Transplant	10
Crataegus monogyna	Common Hawthorn	Cell Grown or Transplant	40
Lonicera periclymenum	Honeysuckle	Cell Grown or Container Grown	5
Prunus spinosa	Blackthorn	Cell Grown or Transplant	25
Rosa canina	Dog Rose	Cell Grown or Transplant	10
Sambucus nigra	Elder	Cell Grown or Transplant	10

Scrub Woodland 2 (SW2)			
For use within 2km of Dyce airport ch.315620 - ch.325020			
Tree and shrub planting at a density of 1 plant per square metre			
Species	Common Name	Type	%
Betula pendula	Silver Birch	Cell Grown or Transplant	15
Betula pubescens	Downy Birch	Cell Grown or Transplant	25
Corylus avellana	Hazel	Cell Grown or Transplant	15
Lonicera periclymenum	Honeysuckle	Cell Grown or Container Grown	5
Prunus spinosa	Blackthorn	Cell Grown or Transplant	25
Salix caprea	Goat Willow	Cell Grown or Transplant	15

Scrub Woodland 3 (SW3)			
Tree and shrub planting at a density of 1 plant per square metre			
Species	Common Name	Type	%
Corylus avellana	Hazel	Cell Grown or Transplant	5
Crataegus monogyna	Common Hawthorn	Cell Grown or Transplant	20
Lonicera periclymenum	Honeysuckle	Cell Grown or Container Grown	5
Prunus spinosa	Blackthorn	Cell Grown or Transplant	20
Rosa canina	Dog Rose	Cell Grown or Transplant	5
Salix caprea	Goat Willow	Cell Grown or Transplant	20
Salix cinerea	Grey Willow	Cell Grown or Transplant	15
Sambucus nigra	Elder	Cell Grown or Transplant	10

Feathered Trees - for use within 2km of Dyce airport ch.315620 - ch.325020	
To be planted in scattered groups of up to ten trees at a spacing of between of 2 and 3 metres between trees. No one species to be less than 10% or more than 30% of the total number of trees in a planting area.	
Species	Common Name
Alnus glutinosa	Common Alder
Betula pendula	Silver Birch
Betula pubescens	Downy Birch
Fagus sylvatica	Common Beech
Quercus petraea	Sessile Oak
Quercus robur	Common Oak
Ulmus glabra	Wych Elm

Feathered Trees	
Feathered trees to be planted in groups of up to ten plants. No one species to represent less than 10% or more than 30% of total. Planting at a minimum density of 2 metre centres, maximum density of 3 metre centres.	
Species	Common Name
Alnus glutinosa	Common Alder
Betula pendula	Silver Birch
Betula pubescens	Downy Birch
Fagus sylvatica	Common Beech
Prunus avium	Gean
Quercus petraea	Sessile Oak
Sorbus aucuparia	Rowan
Sorbus intermedia	Whitebeam
Tilia cordata	Small Leaved Lime
Ulmus glabra	Wych Elm

Standard Trees - for use within 2km of Dyce airport ch.315620 - ch.325020	
Species	Common Name
Acer pseudoplatanus	Sycamore
Carpinus betulus	Common Hornbeam
Fagus sylvatica	Common Beech
Populus tremula	Aspen
Ulmus glabra	Wych Elm

Standard Trees	
Species	Common Name
Acer pseudoplatanus	Sycamore
Carpinus betulus	Common Hornbeam
Crataegus monogyna	Common Hawthorn
Fagus sylvatica	Common Beech
Populus tremula	Aspen
Prunus padus	Bird Cherry
Quercus petraea	Sessile Oak
Sorbus aucuparia	Rowan
Sorbus intermedia	Whitebeam
Tilia cordata	Small Leaved Lime
Ulmus glabra	Wych Elm

Extra Heavy Standard Trees - for use within 2km of Dyce airport ch.315620 - ch.325020	
Species	Common Name
Acer pseudoplatanus	Sycamore
Carpinus betulus	Common Hornbeam
Fagus sylvatica	Common Beech
Populus tremula	Aspen
Ulmus glabra	Wych Elm

Extra Heavy Standard & Specimen Trees		
Species	Common Name	Type
Acer pseudoplatanus	Sycamore	Extra Heavy Standard
Carpinus betulus	Hornbeam	Extra Heavy Standard
Crataegus monogyna	Common Hawthorn	Extra Heavy Standard
Fagus sylvatica	Common Beech	Extra Heavy Standard
Populus tremula	Aspen	Extra Heavy Standard
Prunus avium	Gean	Extra Heavy Standard
Prunus padus	Bird Cherry	Extra Heavy Standard
Quercus petraea	Sessile Oak	Extra Heavy Standard
Sequoia sempervirens	Redwood	Specimen conifer
Sorbus aucuparia	Rowan	Extra Heavy Standard
Sorbus intermedia	Whitebeam	Extra Heavy Standard
Tilia cordata	Small Leaved Lime	Extra Heavy Standard
Ulmus glabra	Wych Elm	Extra Heavy Standard

Hedgerow Planting (H1) (Sheet Nos. 3, 12 and 68)			
Hedgerow planting at a density of 6 plants per linear metre			
Species	Common Name	Type	%
Corylus avellana	Hazel	Cell Grown or Transplant	10
Crataegus monogyna	Common Hawthorn	Cell Grown or Transplant	40
Ilex aquifolium	Holly	Container Grown	10
Lonicera periclymenum	Honeysuckle	Cell Grown or Container Grown	5
Prunus spinosa	Blackthorn	Cell Grown or Transplant	15
Rosa canina	Dog Rose	Cell Grown or Transplant	10
Viburnum opulus	Gelder Rose	Cell Grown or Transplant	10

Hedgerow Planting (H2) (Sheet No. 39)			
Hedgerow planting at 300mm centres in two staggered rows 450mm apart			
Species	Common Name	Type	%
Corylus avellana	Hazel	Cell Grown or Transplant	20
Crataegus monogyna	Common Hawthorn	Cell Grown or Transplant	30
Ilex aquifolium	Holly	Container Grown	10
Prunus spinosa	Blackthorn	Cell Grown or Transplant	30
Sambucus nigra	Elder	Cell Grown or Transplant	10

Pitmedden Squirrel Mitigation (Sheet No.39)		
Trees to be planted at 3 metre centres in two staggered rows. The three tree species shall be planted alternately.		
Species	Common Name	Type
Betula pendula	Silver birch	Heavy standard
Sorbus aucuparia	Rowan	Heavy standard
Pinus sylvestris	Scots Pine	Specimen conifer

Ivy at Noise Barriers			
Planted in groups of 10 at 500mm centres at base of barriers on carriageway side			
Species	Common Name	Type	%
Hedera helix	Common ivy	Cell Grown or Container Grown	100

NOTES:

Advance works carried out under separate contracts
Tree felling and clearance of scrub vegetation. Any remaining vegetation clearance shall be undertaken by the Company in accordance with the New Works Requirements (NWR).

Ecological mitigation measures, including habitat creation for water voles, otters, badgers, bats and squirrels. The locations of these measures are shown on the ILD and any special requirements relating to work within or adjacent to them shall be in accordance with the NWR. Any works within ecological exclusion areas/ buffer zones shall be undertaken in accordance with the requirements of the ecological licences and the NWR.

Protection of existing vegetation
Existing vegetation to be retained and protected is shown indicatively on the ILD. The retention and protection of vegetation shall be in accordance with the NWR.

Undisturbed ground
In addition to the existing vegetation to be retained and protected, the ILD shows other potentially undisturbed ground as unfilled (white) areas.

Planting clearances for utilities etc.
No trees shall be planted within 2m of stone walls, boundary fences, mammal fences, environmental barriers, filter drains and ditches, or within 5m of a carriageway, underground utilities, ducts, surface water drains, sewers and structures, or within 10m of overhead power lines.

No shrubs shall be planted within 1m of stone walls, boundary fences, mammal fences, filter drains, ditches and environmental barriers (with the exception of ivy planted to grow up timber barriers), or within 3m of a carriageway, underground utilities, ducts, surface water drains, sewers, structures and overhead power lines.

No trees and shrubs shall be planted within sightlines and visibility splays for traffic signs, junctions and access points.

Planting schedules
Planting schedules are shown on Drawings B103320/CD/500/072 and 073. Planting stock shall be in accordance with the NWR.

British Airports Authority (BAA)
Special restrictions apply to the choice of tree and shrub species for planting within 2km of Dyce airport (ch. 315620 - ch. 325020). These are reflected in the planting mixes specified.

Grass seeding
Grass seed mixes shall conform to the NWR.

All woodland, scrub woodland and feathered tree planting areas shall be seeded with a low-maintenance grass mix capable of suppressing weed growth in planting areas until a full canopy of trees and shrubs has developed.

Hydraulic seeding shall be applied to weathered rock slopes and rockhead berms. Outcroppings of competent rock shall not be seeded in order to provide visual interest.

Seed mixes for land potentially to be returned to agriculture shall be determined in consultation with landowners in accordance with the NWR. If the land is not to be returned to agriculture, the seed mix shall be species rich grassland.

Landscape earthworks
Landscape earthworks shall include, as a minimum, the eased slopes, false cuttings and bunds shown on the ILD and shall conform to the NWR.

The ILD also includes the identification of locations where additional landscape fill may be deposited by agreement with the Contracting Organisation.

Existing stone walls
Existing stone walls, in whatever condition, shall be retained wherever possible as landscape and ecological mitigation. Stone from existing walls to be retained shall not be removed to use in the construction of new walls.

Ivy planting
Locations and extents of ivy planting are indicative only. Final planting locations shall be designed to align with the noise barrier fencing.



NOTES:

Special restrictions apply to the choice of tree and shrub species for planting within 2km of Dyce airport.

All planting stock shall conform to the New Works Requirements Specification Appendix 30/6.

3	Dec. 2013	For Dialogue - ash replaced, approver's initials added.	SHF	DW	ML	JML
2	Apr. 2013	FOR DIALOGUE	SHF	DW	DW	
1	Apr. 2013	2nd Draft	SHF	DW		



Drawing title		
INDICATIVE LANDSCAPE DESIGN		
PLANTING SCHEDULES AND NOTES		
Drawing status		
FOR DIALOGUE		
Scale		
N/A @ A1		DO NOT SCALE
Drawing number		
B1033200/CD/3000/L/ILD/073		Rev
		3
This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.		