

### MIX 1: WOODLAND CORE

A) For south facing slopes

● Main Canopy Species

| SPECIES                   | COMMON NAME     | % MIX     | No.       |
|---------------------------|-----------------|-----------|-----------|
| <i>Quercus robur</i>      | Pedunculate Oak | 11        | 18        |
| <i>Quercus petraea</i>    | Sessile Oak     | 8         | 13        |
| <i>Pinus sylvestris</i>   | Scots pine      | 7         | 11        |
| <i>Fraxinus excelsior</i> | Ash             | 4         | 7         |
| <b>Total</b>              |                 | <b>30</b> | <b>49</b> |

30% of each area designated as Woodland Core Mix to be planted with Main Canopy Species. Groups to be randomly located across each area designated as Mix 1, Woodland Core. Group size 3 - 8 number. Spacing 4 metre centres.\*1

● Secondary Canopy Species

| SPECIES                            | COMMON NAME  | % MIX      | No.        |
|------------------------------------|--------------|------------|------------|
| <i>Betula pendula</i>              | Silver birch | 25         | 109        |
| <i>Populus tremula</i>             | Aspen        | 25         | 109        |
| <i>Betula pubescens</i>            | Downy birch  | 15         | 66         |
| <i>Ilex aquifolium</i> (male form) | Holly        | 15         | 66         |
| <i>Sorbus aucuparia</i> *2         | Rowan        | 11         | 48         |
| <i>Taxus baccata</i> *2            | Yew          | 5          | 22         |
| <i>Sorbus aria</i> *2              | Whitebeam    | 4          | 17         |
| <b>Total</b>                       |              | <b>100</b> | <b>437</b> |

100% of each area designated as Woodland Core Mix to be planted with Secondary Canopy Species. Group size 10 - 25 number. *Populus tremula* to be planted at least 7m from edge of highway. Spacing 1.5 metre centres. Inter-planted with the main canopy species.

B) For north facing slopes

● Main Canopy Species

| SPECIES                   | COMMON NAME     | % MIX     | No.       |
|---------------------------|-----------------|-----------|-----------|
| <i>Quercus robur</i>      | Pedunculate Oak | 11        | 15        |
| <i>Quercus petraea</i>    | Sessile Oak     | 8         | 11        |
| <i>Pinus sylvestris</i>   | Scots pine      | 7         | 9         |
| <i>Fraxinus excelsior</i> | Ash             | 4         | 5         |
| <b>Total</b>              |                 | <b>30</b> | <b>40</b> |

30% of each area designated as Woodland Core Mix to be planted with Main Canopy Species. Groups to be randomly located across each area designated as Mix 1, Woodland Core. Group size 3 - 8 number. Spacing 4 metre centres.\*1

● Secondary Canopy Species

| SPECIES                            | COMMON NAME  | % MIX      | No.        |
|------------------------------------|--------------|------------|------------|
| <i>Betula pendula</i>              | Silver birch | 25         | 133        |
| <i>Populus tremula</i>             | Aspen        | 22         | 117        |
| <i>Ilex aquifolium</i> (male form) | Holly        | 18         | 96         |
| <i>Betula pubescens</i>            | Downy birch  | 15         | 80         |
| <i>Taxus baccata</i> *2            | Yew          | 10         | 53         |
| <i>Sorbus aucuparia</i> *2         | Rowan        | 8          | 43         |
| <i>Sorbus aria</i> *2              | Whitebeam    | 2          | 11         |
| <b>Total</b>                       |              | <b>100</b> | <b>533</b> |

100% of each area designated as Woodland Core Mix to be planted with Secondary Canopy Species. Group size 10 - 25 number. Spacing 1.5 metre centres. Inter-planted with the main canopy species.

### MIX 2: WOODLAND EDGE MIX

| SPECIES                      | COMMON NAME   | % MIX      | No.         |
|------------------------------|---------------|------------|-------------|
| <i>Corylus avellana</i>      | Hazel         | 20         | 957         |
| <i>Salix caprea</i>          | Goat willow   | 20         | 957         |
| <i>Crataegus monogyna</i> *2 | Hawthorn      | 10         | 479         |
| <i>Alnus glutinosa</i>       | Common alder  | 8          | 383         |
| <i>Betula pendula</i>        | Silver birch  | 8          | 383         |
| <i>Salix cinerea</i>         | Common willow | 8          | 383         |
| <i>Betula pubescens</i>      | Downy birch   | 6          | 287         |
| <i>Malus sylvestris</i>      | Crab-apple    | 5          | 239         |
| <i>Prunus spinosa</i> *2     | Blackthorn    | 5          | 239         |
| <i>Rosa arvensis</i>         | Field rose    | 5          | 239         |
| <i>Sambucus nigra</i> *2     | Elder         | 3          | 144         |
| <i>Prunus avium</i> *2       | Wild cherry   | 2          | 96          |
| <b>Total</b>                 |               | <b>100</b> | <b>4786</b> |

Group size 10 - 25 number. Spacing 1.5 metre centres.

### MIX 3: HEDGEROW MIX

| SPECIES                            | COMMON NAME | % MIX      | No.         |
|------------------------------------|-------------|------------|-------------|
| <i>Crataegus monogyna</i>          | Hawthorn    | 65         | 4798        |
| <i>Corylus avellana</i>            | Hazel       | 30         | 2215        |
| <i>Ilex aquifolium</i> (male form) | Holly       | 5          | 369         |
| <b>Total</b>                       |             | <b>100</b> | <b>7382</b> |

Planted in double staggered row at 4 plants per linear metre. Group size 5-15. Planted as whips except *Ilex aquifolium* which is to be container grown.

### SPECIMEN HEDGEROW TREES

| SPECIES                   | COMMON NAME     | No.       |
|---------------------------|-----------------|-----------|
| <i>Quercus robur</i>      | Pedunculate Oak | 34        |
| <i>Quercus petraea</i>    | Sessile Oak     | 21        |
| <i>Fraxinus excelsior</i> | Ash             | 26        |
| <b>Total</b>              |                 | <b>81</b> |

Hedgerow trees located on drawing 715-419 and to be staked standards, size 18-20.

purpose

## PLANNING

#### NOTES

For each woodland mix 95% planted as whips and 5% as staked standards.

\*1 Quantity and planting density of main canopy tree species limited as required by the British Airports Authority.

\*2 Berry bearing species make up a maximum of 20% of any woodland mix as required by the British Airports Authority.

REFER TO DRAWING 715-419 FOR NORTHERN ACCESS ROAD GENERAL ARRANGEMENT

**Cass**  
associates

architecture  
masterplanning  
planning  
landscape  
ecology

Studio 104 The Tea Factory  
82 Wood Street  
Liverpool L1 4DQ  
T +44 (0)151 707 0110  
F +44 (0)151 707 0332  
E info@cassassociates.co.uk  
W cassassociates.co.uk

client  
**BAE SYSTEMS**  
project  
**R.O. BISHOPTON**

drawing title  
**NORTHERN ACCESS ROAD  
PLANTING SCHEDULE**

scale @ A4 NA

date 06/10/11

dwn MW chkd SR

**715-420**

-