

## Indicative Planting Schedule

### Native Woodland Matrix Tree Planting Schedule

| Botanical Name            | Common Name       | Min No. Branches/ | Form      | Height (cm) | Area (m) | % of mix   | No.         |
|---------------------------|-------------------|-------------------|-----------|-------------|----------|------------|-------------|
| <i>Acer campestre</i>     | Field Maple       | 1                 | Whip (BR) | 100-125     | 11,160   | 5          | 140         |
| <i>Alnus glutinosa</i>    | Alder GW          | 1                 | Whip (BR) | 100-125     | 11,160   | 7          | 195         |
| <i>Betula pendula</i>     | Silver Birch      | 1                 | Whip (BR) | 100-125     | 11,160   | 7          | 195         |
| <i>Betula pubescens</i>   | Downy Birch       | 1                 | Whip (BR) | 100-125     | 11,160   | 6          | 167         |
| <i>Carpinus betulus</i>   | Hornbeam          | 1                 | Whip (BR) | 100-125     | 11,160   | 5          | 140         |
| <i>Corylus avellana</i>   | Hazel             | 1                 | Whip (BR) | 80-100      | 11,160   | 7          | 195         |
| <i>Crataegus monogyna</i> | Hawthorn          | 1                 | Whip (BR) | 80-100      | 11,160   | 7          | 195         |
| <i>Ilex aquifolium</i>    | Holly             | 1                 | Whip (BR) | 80-100      | 11,160   | 5          | 140         |
| <i>Malus sylvestris</i>   | Crab Apple        | 1                 | Whip (BR) | 100-125     | 11,160   | 7          | 195         |
| <i>Prunus avium</i>       | Wild Cherry       | 1                 | Whip (BR) | 100-125     | 11,160   | 5          | 140         |
| <i>Prunus spinosa</i>     | Blackthorn        | 1                 | Whip (BR) | 80-100      | 11,160   | 5          | 140         |
| <i>Quercus petraea</i>    | Sessile Oak       | 1                 | Whip (BR) | 100-125     | 11,160   | 10         | 279         |
| <i>Quercus robur</i>      | Pedunculate Oak   | 1                 | Whip (BR) | 100-125     | 11,160   | 5          | 140         |
| <i>Salix caprea</i>       | Grey Willow       | 1                 | Whip (BR) | 100-125     | 11,160   | 3          | 84          |
| <i>Salix cinerea</i>      | Grey Willow       | 1                 | Whip (BR) | 100-125     | 11,160   | 3          | 84          |
| <i>Sorbus aucuparia</i>   | Rowan             | 1                 | Whip (BR) | 100-125     | 11,160   | 5          | 140         |
| <i>Sorbus torminalis</i>  | Wild service      | 1                 | Whip (BR) | 100-125     | 11,160   | 3          | 84          |
| <i>Tilia cordata</i>      | Small leaved Lime | 1                 | Whip (BR) | 80-100      | 11,160   | 3          | 84          |
| <i>Ulmus glabra</i>       | Wych Elm          | 1                 | Whip (BR) | 80-100      | 11,160   | 2          | 56          |
| <b>Total</b>              |                   |                   |           |             |          | <b>100</b> | <b>2790</b> |

Woodland trees and shrubs to be planted at 2.0m centres into min 300mm depth topsoil with free draining subsoil beneath. Whips to be randomly planted in areas shown on drawings. Group 3 or 5 of the same species together. All trees to be mulched with sp

### County Coppice Planting Schedule and Estimated Coppice Rotation

| Plant name                    | Common Name    | Height (cm) | Root Condition | Number of times Transplant (min) | Area (m) | % of mix   | Total No. Plants | Estimated Coppice Rotation (Years) |
|-------------------------------|----------------|-------------|----------------|----------------------------------|----------|------------|------------------|------------------------------------|
| <i>staggered row. 5 per m</i> |                |             |                |                                  |          |            |                  |                                    |
| <i>Castanea sativa</i>        | Sweet Chestnut | 60-80       | B              | 1+1                              | 4000     | 40         | 400              | 10-20                              |
| <i>Corylus avellana</i>       | Hazel          | 60-80       | B              | 1+1                              | 4000     | 40         | 400              | 7                                  |
| <i>Quercus robur</i>          | Comomn oak     | 60-80       | B              | 1+1                              | 4000     | 10         | 100              | 10                                 |
| <i>Salix caprea</i>           | Goat Willow    | 60-80       | B              | 1+1                              | 4000     | 5          | 50               | 1-2                                |
| <i>Sorbus torminalis</i>      | Wild Service   | 40-60       | B              | 1+1                              | 4000     | 5          | 50               | tbc                                |
|                               |                |             |                |                                  |          | <b>100</b> | <b>1000</b>      |                                    |

Coppice shrubs to be planted at 2.0m centres into min 300mm depth topsoil with free draining subsoil beneath. Whips to be randomly planted in areas shown on drawings. Group 3 or 5 of the same species together. All trees to be mulched with spat mat. Ra

### Standard Tree Planting Schedule

| Botanical Name            | Common Name       | Min No. Branches/ | Form      | Height (cm) | Number of Trees |
|---------------------------|-------------------|-------------------|-----------|-------------|-----------------|
| <i>Populus nigra agg.</i> | Black-poplar agg. | 1                 | Whip (BR) | 150-175     | 5               |
| <i>Quercus petraea</i>    | Sessile Oak       | 1                 | Whip (BR) | 150-175     | 7               |
| <i>Quercus robur</i>      | Pedunculate Oak   | 1                 | Whip (BR) | 150-175     | 7               |
|                           |                   |                   |           |             | <b>19</b>       |

### General

Trees will be planted from local provenance stock grown at the Denbighshire County Council Tree Nursery based on site. The woodlands will contain species typically associated with Lowland Mixed Deciduous Woodland priority habitat types (NVC W10 community) as well as others known to grow in and around the existing site.

### Native Woodland Matrix Planting

Native woodland will be planted at at average of 2m centres in groups of 3, 5 & 7 to create a mosaic of woodland habitats to provide a wide variety of ecological niches. This will include groves of dense planting along with more open woodland areas and glades. Perimeter deer-proof fencing will be erected around the woodland.

### Standard Tree Planting

A variety of native black poplar (*Populus nigra* subsp. *Betulifolia*) clones together with sessile and common oak will be planted within the meadow/ pond areas. This will allow the trees to establish and grow naturally and typically of the species natural growth, form and habit. Tree shelters to be used to protect individual trees from deer browsing and bark stripping during establishment.

### County Coppice

Native trees and shrubs will be planted at at average of 2m centres in groups of 7, 9 & 11. A variety of species managed as rotational coppice will allow for a mosaic of habitat and variety of ecological niches Perimeter deer-proof fencing will be erected around the woodland.

### Aquatic and Wetland Planting

The ponds will be left to naturally establish and become colonised by native wetland plant species. Should this process not occur as expected, then the approach identified in the ecological report (Biodiversity Advanced reference) will be followed.

### Species Rich Meadows

The wildflower meadow area is already relatively species rich, containing a variety of native perennial wildflowers associated with grassland habitats. This habitat will be managed using cut and collect equipment and yellow rattle to reduce the fertility of the soil and control the growth of course and dominant grasses, allowing the wildflowers to thrive. New species may be added to the sward using local provenance plug plants grown at the County Tree Nursery.

Project:  
Green Gates Farm, St Asaph (Phase 3)

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Indicative Planting Schedules and Planting Notes

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NTS

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Landscape Design  
Landscape Planning  
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