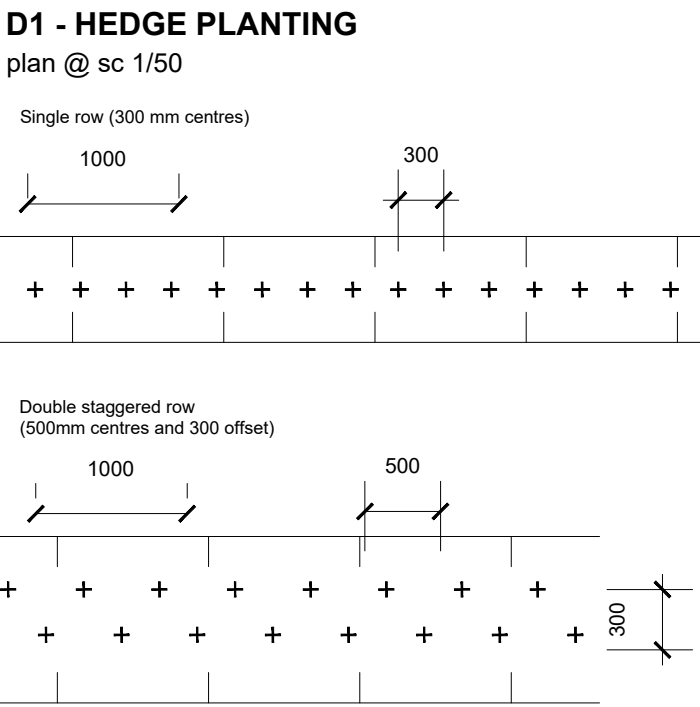


BARNHILL GARDEN VILLAGE  
Green Infrastructure Masteplan

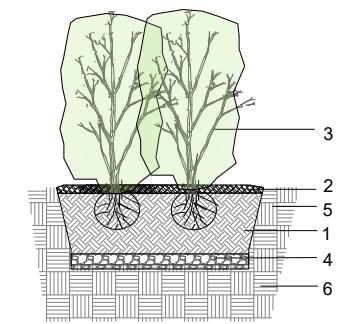
PLANTING SSPECIFICATION

| TREES                                                                                                                                                    |                                       |                         |                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------|-----------------------------------|
| Street / Avenue Trees                                                                                                                                    | Scientific name                       | Common name             | Size                              |
| Ac                                                                                                                                                       | <i>Acer Campestre 'elsrijk'</i>       | Field maple             | rb, 4x trpt 20-25cm girth         |
| Bp                                                                                                                                                       | <i>Betula pubescens</i> *             | Downy Birch             | rb, 4x trpt 20-25cm girth         |
| Gb                                                                                                                                                       | <i>Ginkgo biloba</i>                  | Maidenhair tree         | rb, 4x trpt 20-25cm girth         |
| Ls                                                                                                                                                       | <i>Liquidamber styraciflua</i>        | Sweetgum                | rb, 4x trpt 20-25cm girth         |
| Ph                                                                                                                                                       | <i>Platanus x hispanica</i>           | London Plane            | rb, 4x trpt 20-25cm girth         |
| Pc                                                                                                                                                       | <i>Pyrus calleryana 'Chanticleer'</i> | Ornamental Pear         | rb, 4x trpt 20-25cm girth         |
| Sa                                                                                                                                                       | <i>Sorbus aria majestica</i> ^A       | Whitebeam               | rb, 4x trpt 20-25cm girth         |
| Tc                                                                                                                                                       | <i>Tilia Cordata 'Greenspire'</i> ^A  | Small leaved lime       | rb, 4x trpt 20-25cm girth         |
| Street Trees on front gardens                                                                                                                            |                                       |                         |                                   |
| Code                                                                                                                                                     | Scientific name                       | Common name             | Size                              |
| Ac                                                                                                                                                       | <i>Acer Campestre 'elsrijk'</i>       | Field maple             | rb, 4x trpt 12-14cm girth         |
| Bp                                                                                                                                                       | <i>Betula pubescens</i> ^A            | Downy Birch             | rb, 4x trpt 12-14cm girth         |
| Gb                                                                                                                                                       | <i>Ginkgo biloba</i>                  | Maidenhair tree         | rb, 4x trpt 12-14cm girth         |
| Ls                                                                                                                                                       | <i>Liquidamber styraciflua</i>        | Sweetgum                | rb, 4x trpt 12-14cm girth         |
| Pc                                                                                                                                                       | <i>Pyrus calleryana 'Chanticleer'</i> | Ornamental Pear         | rb, 4x trpt 12-14cm girth         |
| Sa                                                                                                                                                       | <i>Sorbus aria majestica</i> ^A       | Whitebeam               | rb, 4x trpt 12-14cm girth         |
| Rain Gardens                                                                                                                                             |                                       |                         |                                   |
| Code                                                                                                                                                     | Scientific name                       | Common name             | Size                              |
| Ar                                                                                                                                                       | <i>Acer rubrum</i>                    | Red maple               | rb, 3x trpt 14-18cm girth         |
| Ag                                                                                                                                                       | <i>Alnus glutinosa</i> ^A             | Alder                   | rb, 3x trpt 14-18cm girth         |
| Bpe                                                                                                                                                      | <i>Betula pendula</i> ^A              | Birch                   | rb, 3x trpt 14-18cm girth         |
| Bn                                                                                                                                                       | <i>Betula nigra</i> ^A                | River Birch             | rb, 14-18cm gt.                   |
| Ca                                                                                                                                                       | <i>Corylus avellana</i> ^A            | Hazel                   | rb, 3x trpt 14-18cm girth         |
| Opa                                                                                                                                                      | <i>Quercus palustris</i>              | Spanish Oak             | rb, 14-18cm gt.                   |
| Caru                                                                                                                                                     | <i>Comus amomum</i>                   | Silky dogwood           | c/g 20L, 1m tall                  |
| Vo                                                                                                                                                       | <i>Viburnum opulus</i> ^A             | Eur. cranberry bush     | c/g 20L, 1m tall                  |
| Wetland                                                                                                                                                  |                                       |                         |                                   |
| Code                                                                                                                                                     | Scientific name                       | Common name             | Size                              |
| Gb                                                                                                                                                       | <i>Salix babingtonia</i> ^A           | Willow                  | rb, 3x trpt 14-18cm girth         |
| Sc                                                                                                                                                       | <i>Salix cinerea</i> ^A               | Grey willow             | rb, 3x trpt 14-18cm girth         |
| Sp                                                                                                                                                       | <i>Salix pentandra</i>                | Bay willow              | rb, 3x trpt 14-18cm girth         |
| Parkland                                                                                                                                                 |                                       |                         |                                   |
| Code                                                                                                                                                     | Scientific name                       | Common name             | Size                              |
| Ah                                                                                                                                                       | <i>Aesculus hippocastanum</i>         | Horse Chestnut          | rb, 4x trpt 20-25cm girth         |
| Au                                                                                                                                                       | <i>Arbutus unedo</i> ^A               | Strawberry tree         | m/s, c/g 50L, 3.5m tall           |
| Bj                                                                                                                                                       | <i>Betula Jaquimontii</i>             | Himalayan Birch         | m/s, c/g 50L, 3.5m tall           |
| Bpe                                                                                                                                                      | <i>Betula pendula</i> ^A              | Silver Birch            | rb, 3x trpt 14-18cm girth         |
| Bp                                                                                                                                                       | <i>Betula pubescens</i>               | Downy Birch             | rb, 3x trpt 14-18cm girth         |
| Ca                                                                                                                                                       | <i>Corylus avellana</i> ^A            | Hazel                   | rb, 3x trpt 14-18cm girth         |
| Cm                                                                                                                                                       | <i>Crataegus monogyna</i> ^A          | Hawthorn                | m/s, c/g 50L, 3.5m tall           |
| Fs                                                                                                                                                       | <i>Fagus sylvatica</i>                | Beech                   | rb, 3x trpt 14-18cm girth         |
| Fp                                                                                                                                                       | <i>Fagus sylvatica purpurea</i>       | Purple Beech            | rb, 3x trpt 14-18cm girth         |
| Ps                                                                                                                                                       | <i>Pinus sylvestris</i> *             | Scots pine              | rb, 4x trpt 20-25cm girth         |
| Pt                                                                                                                                                       | <i>Populus tremula</i> *              | Aspen                   | rb, 4x trpt 20-25cm girth         |
| Pcn                                                                                                                                                      | <i>Prunus Cerasifera 'nigra</i>       | 'Black Cherry Plum      | rb, 4x trpt 20-25cm girth         |
| Prs                                                                                                                                                      | <i>Prunus sargentii</i> 'Rancho'      | Sargent's Cherry        | rb, 4x trpt 20-25cm girth         |
| Pa                                                                                                                                                       | <i>Prunus avium</i> ^A                | Cherry                  | rb, 4x trpt 20-25cm girth         |
| Psp                                                                                                                                                      | <i>Prunus spinosa</i> ^A              | Blackthorn              | rb, 3x trpt 14-18cm girth         |
| Op                                                                                                                                                       | <i>Quercus petraea</i> *              | Sessile Oak             | rb, 4x trpt 20-25cm girth         |
| Or                                                                                                                                                       | <i>Quercus robur</i> *                | Oak                     | rb, 4x trpt 20-25cm girth         |
| Sn                                                                                                                                                       | <i>Sambucus nigra</i> ^A              | Elder                   | m/s, c/g 50L, 3.5m tall           |
| Sa                                                                                                                                                       | <i>Sorbus aria majestica</i> ^A       | Whitebeam               | rb, 4x trpt 20-25cm girth         |
| Sau                                                                                                                                                      | <i>Sorbus aucuparia</i> ^A            | Rowan                   | m/s, c/g 50L, 3.5m tall           |
| Fruit Trees                                                                                                                                              |                                       |                         |                                   |
| Code                                                                                                                                                     | Scientific name                       | Common name             | Size                              |
| Pch                                                                                                                                                      | <i>Pyrus chantiller</i>               | Pyrus tree              | rb 8-10cm gt.                     |
| Pdm                                                                                                                                                      | <i>Malus domestica</i> ^A             | Apple tree              | rb 8-10cm gt.                     |
| Pd                                                                                                                                                       | <i>Prunus domestica</i>               | Common Plum             | rb 8-10cm gt.                     |
| Pa                                                                                                                                                       | <i>Prunus avium</i> ^A                | Cherry tree             | rb 8-10cm gt.                     |
| Podium / Planters Trees                                                                                                                                  |                                       |                         |                                   |
| Code                                                                                                                                                     | Scientific name                       | Common name             | Size                              |
| Si                                                                                                                                                       | <i>Sorbus intermedia</i> 'Brouwers'   | Swedish Whitebeam       | rb, 3x, 3x trpt 18-20 cm girth    |
| Ag                                                                                                                                                       | <i>Acer griseum</i>                   | Paperbark maple         | m/s, c/g 50L, 3.5m tall           |
| Au                                                                                                                                                       | <i>Arbutus unedo</i> ^A               | Strawberry tree         | m/s, c/g 50L, 3.5m tall           |
| Bj                                                                                                                                                       | <i>Betula Jaquimontii</i>             | Himalayan Birch         | m/s, c/g 50L, 3.5m tall           |
| Bpe                                                                                                                                                      | <i>Betula pendula</i> ^A              | Silver Birch            | rb, 3x trpt 14-18cm girth         |
| Cm                                                                                                                                                       | <i>Crataegus monogyna</i> ^A          | Hawthorn                | m/s, c/g 50L, 3.5m tall           |
| Mh                                                                                                                                                       | <i>Magnolia 'Heaven Scent'</i>        | Magnolia 'Heaven Scent' | m/s, c/g 50L, 3.5m tall           |
| Rt                                                                                                                                                       | <i>Rhus typhina</i>                   | Staghorn sumac          | m/s, c/g 50L, 3.5m tall           |
| Sn                                                                                                                                                       | <i>Sambucus nigra</i> ^A              | Elder                   | m/s, c/g 50L, 3.5m tall           |
| Sau                                                                                                                                                      | <i>Sorbus aucuparia</i> ^A            | Rowan                   | m/s, c/g 50L, 3.5m tall           |
| Boundary / Screening Trees                                                                                                                               |                                       |                         |                                   |
| Code                                                                                                                                                     | Scientific name                       | Common name             | Size                              |
| Bpe                                                                                                                                                      | <i>Betula pendula</i> *               | Silver Birch            | rb, 3x trpt 14-18cm girth         |
| Cm                                                                                                                                                       | <i>Crataegus monogyna</i> ^A          | Hawthorn                | m/s, c/g 50L, 3.5m tall           |
| Ha                                                                                                                                                       | <i>Ilex aquifolium</i> ^A             | Holly                   | rb, 3x trpt 14-18cm girth         |
| Psp                                                                                                                                                      | <i>Prunus spinosa</i> ^A              | Blackthorn              | rb, 3x trpt 14-18cm girth         |
| Op                                                                                                                                                       | <i>Quercus petraea</i> ^A             | Sessile Oak             | rb, 4x trpt 20-25cm girth         |
| Or                                                                                                                                                       | <i>Quercus robur</i> *                | Oak                     | rb, 4x trpt 20-25cm girth         |
| Qrf                                                                                                                                                      | <i>Quercus Robur Fastigiata</i> *     | Cypress Oak             | rb, 3x trpt 18-20cm girth 5m tall |
| Ornamental parkland / woodland Shrubs                                                                                                                    |                                       |                         |                                   |
| Common Name                                                                                                                                              | Species Name                          | Specification           | Code                              |
| Hydrangea                                                                                                                                                | <i>Hydrangea paniculata</i>           | c/g 5L                  | Hp                                |
| Hawthorn                                                                                                                                                 | <i>Crataegus monogyna</i> ^A          | c/g 5L                  | Cm                                |
| Elder                                                                                                                                                    | <i>Sambucus nigra</i> ^A              | c/g 5L                  | Sn                                |
| Myrtle                                                                                                                                                   | <i>Myrtus communis</i> ^A             | c/g 5L                  | Mc                                |
| Common juniper                                                                                                                                           | <i>Juniperus communis</i> ^A          | c/g 5L                  | Jc                                |
| * Species Native to Ireland                                                                                                                              |                                       |                         |                                   |
| ^A Plants for Pollinators                                                                                                                                |                                       |                         |                                   |
| These plants will provide nectar and pollen for bees and the many other types of pollinating insects.                                                    |                                       |                         |                                   |
| All selected species have an ornamental, native biodiversity or pollinator-stimulating purpose. Selection is based on the "All Ireland pollinator Plan". |                                       |                         |                                   |

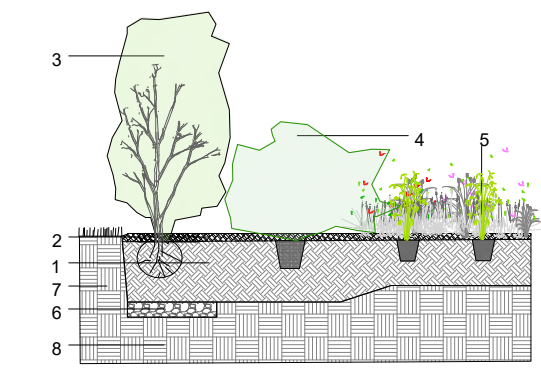
PLANTING DETAILS



**D2 - HEDGE PLANTING**  
section @ sc 1/50



**D3 - MULTI-STRATUM PLANTING MIXTURE DETAIL**  
section @ sc 1/50



Ornamental Planting Mixtures references



Parkland Trees references



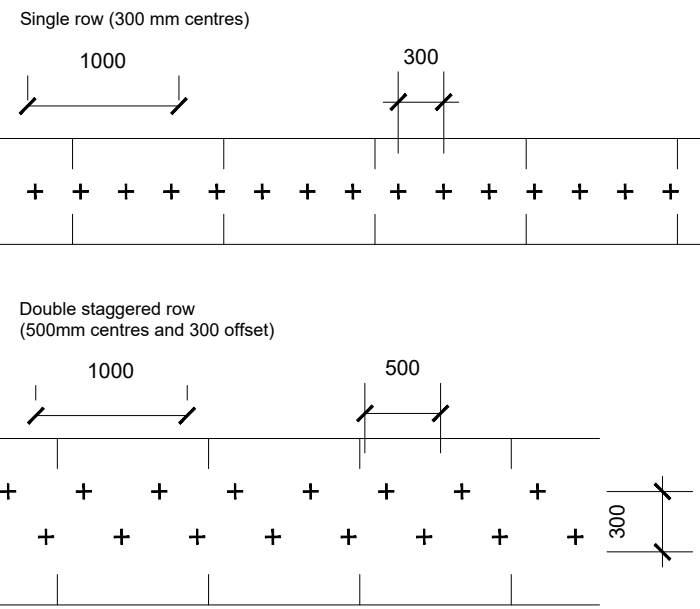
Wetland Trees references



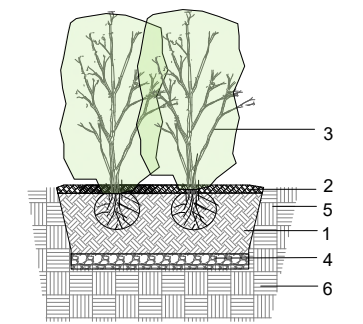
Podium Trees references



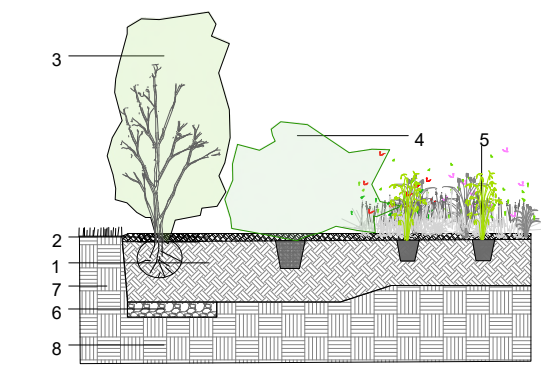
**D1 - HEDGE PLANTING**  
plan @ sc 1/50



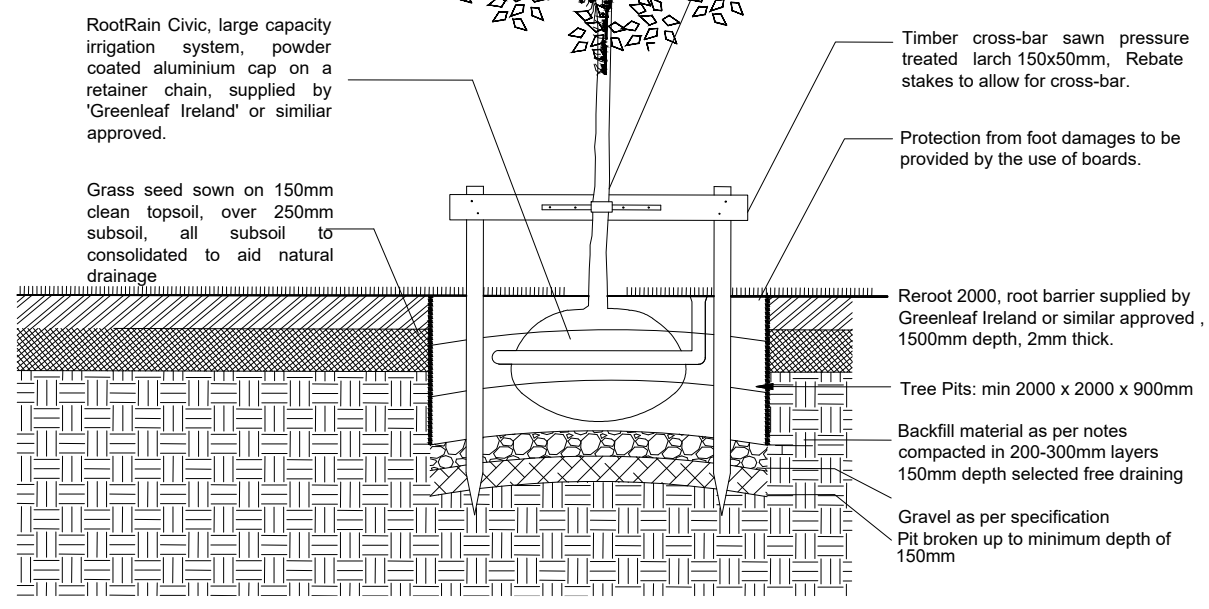
**D2 - HEDGE PLANTING**  
section @ sc 1/50



**D3 - MULTI-STRATUM PLANTING MIXTURE DETAIL**  
section @ sc 1/50



**D4 - TREE PIT PLANTING DETAIL**  
section @ sc 1/50



**D5 - CONSTRUCTED TREE PIT PLANTING DETAIL**  
section @ sc 1/50

