

**MITCHELL + ASSOCIATES**

Landscape Architecture Urban Design

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**WPC-MAL-XX-XX-SH-L-0903**

our ref: LSTO006 Planting Schedule

**LSTO006**

**PLANTING SCHEDULE**

**FOR WORKS AT THE PROPOSED WHITE PINES CENTRAL DEVELOPMENT AT STOCKING AVENUE**

**07.05.2021**

Species highlighted in green have been chosen specifically from the 'All Ireland Pollinator Plan' and will form the majority of the planting scheme. The remaining species provide benefits in other aspects i.e. sensory, native etc. The Planting Schedule has been designed in line with the project Ecologist where species were selected to promote and enhance biodiversity (native seeds, fruits and pollinator friendly species).

| TREE PLANTING  |  |  |
|--|--|--|
| <b>Street Tree Planting</b>  |  |  |
| <i>On minimum depth of 1.2m cu topsoil. All trees to be springring or containerised for out of season planting. See Planting Details. See Landscape Specification. 75mm mulch applied continuously</i> |  |  |
| No.  | Species                                | Specification  |
|  | Aesculus hippocastanum                 | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Alnus glutinosa                        | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Amelanchier x grandiflora 'Robin Hill' | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Amelanchier x grandiflora 'Robin Hill' | Multi-stem (min.3 stems emerging from base), 2.5-3m high, full balanced canopy |
|  | Betula albosinensis 'Fascination'      | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Betula pendula                         | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Crataegus monogyna 'Stricta'           | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Liriodendron tulipifera                | Min Girth 18-20cm, Min Ht. 4.5-5m, Min 2m Clearstem, RB                        |
|  | Prunus avium                           | Multi-stem (min.3 stems emerging from base), 2.5-3m high, full balanced canopy |
|  | Malus tschonoskii                      | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Prunus serrula                         | Min Girth 18-20cm, Min Ht. 4.5-5m, Min 2m Clearstem, RB                        |
|  | Pinus Sylvestris                       | Min Girth 18-20cm, Min Ht. 3-3.5m, Min 2m Clearstem, RB                        |
|  | Pyrus calleryana 'Chanticleer'         | Min Girth 18-20cm, Min Ht. 4.5-5m, Min 2m Clearstem, RB                        |
|  | Robinia pseudoacacia - False Acacia    | Min Girth 18-20cm, Min Ht. 4.5-5m, Min 2m Clearstem, RB                        |
|  | Salix aegyptiaca                       | 16-18cmg, min.450, min.200, rb   |
|  | Salix alba 'Liempde'                   | 16-18cmg, min.450, min.200, rb   |
|  | Sorbus acuparia                        | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Tillia cordata 'Greenspire'            | Min Girth 18-20cm, Min Ht. 4.5-5m, Min 2m Clearstem, RB                        |
| <b>Open Space Tree Planting</b>  |  |  |
| <i>On minimum depth of 1.2m cu topsoil. All trees to be springring or containerised for out of season planting. See Planting Details. See Landscape Specification. 75mm mulch applied continuously</i> |  |  |
|  | Aesculus hippocastanum                 | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Amelanchier x grandiflora 'Robin Hill' | Multi-stem (min.3 stems emerging from base), 2.5-3m high, full balanced canopy |
|  | Betula albosinensis fascination        | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Betula pendula                         | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
|  | Catalpa bignonioides                   | 16-18cmg, min.450, min.200, rb   |
|  | Malus tschonoskii                      | Multi-stem (min.3 stems emerging from base), 2.5-3m high, full balanced canopy |

|  | Prunus avium                    | Multi-stem (min.3 stems emerging from base), 2.5-3m high, full balanced canopy |
|--|---------------------------------|--|
|  | Prunus padus                    | Multi-stem (min.3 stems emerging from base), 2.5-3m high, full balanced canopy |
|  | Prunus serrulata 'Tai Haku'     | Multi-stem (min.3 stems emerging from base), 2.5-3m high, full balanced canopy |
|  | Pyrus calleryana 'Chanticleer'  | 16-18cmg, min.450, min.200, rb   |
|  | Quercus robur                   | 16-18cmg, min.450, min.200, rb   |
|  | Salix aegyptiaca                | 16-18cmg, min.450, min.200, rb   |
|  | Salix alba 'Liempde'            | 16-18cmg, min.450, min.200, rb   |
|  | Tilia x europea                 | Min Girth 18-20cm, Min Ht. 4.5m, Min 2m Clearstem, RB                          |
| <b>ORNAMENTAL PLANTING MIX</b>   |                                 |  |
| <i>On minimum depth of 450mm topsoil. 75mm mulch applied continuously.</i> |                                 |  |
| No.  | Species                         | Specification  |
|  | Achillea 'Moonshine'            | cg, 2Lt pot,   |
|  | Aconitum carmichaelii           | cg, 2Lt pot,   |
|  | Anemone Honorine Jobert         | cg, 1Lt pot, planted at 12no. per m2   |
|  | Anemone 'Splendens'             | cg, 2Lt pot,   |
|  | Arbutus unedo                   | cg, 2Lt pot,   |
|  | Armeria juniperifolia           | cg, 2Lt pot,   |
|  | Calamagrostis 'Karl Foerster'   | cg, 2Lt pot,   |
|  | Campanula poscharskyana         | cg, 2Lt pot,   |
|  | Cornus kousa chinensis          | cg 10L pot, (specimen shrub)   |
|  | Delphinium elatum               | cg, 2Lt pot,   |
|  | Dryopteris felix-mas            | cg, p9 pot, planted at 5no. per m2   |
|  | Echinacea purpurea              | cg, 2Lt pot,   |
|  | Erysimum 'Bredon'               | cg, 2Lt pot,   |
|  | Euphorbia cornigera             | cg, 2Lt pot,   |
|  | Geranium                        | cg, 2Lt pot,   |
|  | Helianthus x laetiflorus        | cg, 2Lt pot,   |
|  | Helleborus                      | cg, 2Lt pot,   |
|  | Hydrangea quercifolia           | cg, 10L pot, (specimen shrub)  |
|  | Kniphofia 'Ice Queen'           | cg, 2Lt pot,   |
|  | Libertia formosa                | cg, 2Lt pot,   |
|  | Libertia grandiflora            | cg, 2Lt pot, planted at 5no. per m2  |
|  | Miscanthus sinensis 'Graziella' | cg, 2Lt pot, planted at 5no. per m2  |
|  | Nepeta x faassenii              | cg, 2Lt pot,   |
|  | Nepeta 'Six Hills giant'        | cg, 2Lt pot,   |
|  | Osteospermum ecklonis           | cg, 2Lt pot,   |
|  | Pennisetum alopecuroides        | cg, 2Lt pot,   |
|  | Persicaria affinis 'Superba'    | cg, 2Lt pot, planted at 5no. per m2  |
|  | Prunus laurocerasus 'Zabeliana' | cg, 2Lt pot, planted at 4no. per m2  |
|  | Salvia nemerosa                 | cg, 2Lt pot,   |

|  |                                   |   |
|--|-----------------------------------|---|
|  | Salvia x sylvestris<br>'Mainacht' | cg, 2Lt pot, planted at 5no. per m2   |
|  | Sarcococca hookeriana             | cg, 2Lt pot,  |
|  | Sedum telephium                   | cg, 2Lt pot,  |
|  | Viburnum plicatum<br>'Mariesii'   | cg10L pot, (specimen shrub)   |
|  | Viburnum tinus                    | cg, 2Lt pot,  |
|  | Vinca balcanica                   | cg, 2Lt pot, planted at 6no. per m2   |
| <b>FORMAL HEDGE PLANTING</b>                         |                                   |   |
| <b>No.</b>   | <b>Species</b>                    | <b>Specification</b>  |
|  | Carpinus betulus                  | Min 90-120cm High. Planted in a double staggered row. 5 per linear m, br                      |
|  | Fagus sylvatica                   | Min 60-80cm High. Planted in a double staggered row. 5 per linear m                           |
|  | Prunus lusitanica                 | Min 30-60cm High. Planted in a double staggered row. 5 per linear m, br                       |
| <b>CLIMBERS</b>                                      |                                   |   |
|  | Parthenocissus tricuspidata       | Min 90-120cm High. Planted at 3m centres with support stake and trellis along retaining walls |
| <b>BOUNDARY/ WOODLAND PLANTING AND REINFORCEMENT</b> |                                   |   |
| <b>No.</b>   | <b>Species</b>                    | <b>Specification</b>  |
|  | Borage officinalis                |   |
|  | Cornus canadensis                 | cg, 2Lt pot   |
|  | Corylus avellana                  | Min Girth 14-16cm, Min Ht. 3- 4.5m, Min 2m Clearstem, RB, 3xTransplanted                      |
|  | Corylus avellana                  | 1.75-2m,  |
|  | Corylus colurna                   | Min Girth 14-16cm, Min Ht. 3- 4.5m, Min 2m Clearstem, RB, 3xTransplanted                      |
|  | Corylus colurna                   | 1.75-2m,  |
|  | Crataegus monogyna                | 1.75-2m,  |
|  | Hedera helix                      | cg, 2Lt pot   |
|  | Hesperis natronalis               | cg, 2Lt pot   |
|  | Ilex aquifolium                   | 1.75-2m,  |
|  | Jasminium officinale              | cg, 2Lt pot   |
|  | Ligustrum vulgare                 | 1.75-2m,  |
|  | Lonicera                          | cg, 2Lt pot   |
|  | Matthiola bicornis                | cg, 2Lt pot   |
|  | Melissa officinalis               | cg, 2Lt pot   |
|  | Nicotiana affinis                 | cg, 2Lt pot   |
|  | Oenothera biennis                 | cg, 2Lt pot   |
|  | Origanum vulgare                  | cg, 2Lt pot   |
|  | Petasites hybridus                | cg, 2Lt pot   |
|  | Prunus avium                      | Min Girth 30-35cm, Min Ht. 6- 6.5m, Min 2m Clearstem, RB, 4xTransplanted, 100cm RB            |

|  |                       |  |
|--|-----------------------|--|
|  | Prunus avium          | 1.75-2m, 1.75-2m,  |
|  | Prunus spinosa        | 1.75-2m,   |
|  | Quercus robur         | Min Girth 30-35cm, Min Ht. 6- 6.5m, Min 2m Clearstem, RB, 4xTransplanted, 100cm RB |
|  | Quercus robur         | 1.75-2m,   |
|  | Rosa canina           | cg, 2Lt pot  |
|  | Rubus fruticosus      | 1.75-2m,   |
|  | S. noctiflora         | cg, 2Lt pot  |
|  | S. vulgaris           | cg, 2Lt pot  |
|  | Salix fragilis        | 1.75-2m,   |
|  | Sambucus nigra        | 1.75-2m,   |
|  | Sambucus nigra        | cg, 2Lt pot  |
|  | Saponaria officinalis | cg, 2Lt pot  |
|  | Silene nutans         | cg, 2Lt pot  |
|  | Sorbus aucuparia      | Min Girth 30-35cm, Min Ht. 6- 6.5m, Min 2m Clearstem, RB, 4xTransplanted, 100cm RB |
|  | Sorbus aucuparia      | 1.75-2m,   |

**SPRING BULB PLANTING**

*Topsized bulbs, planted in bands and naturalistic flowing drift formations as directed by Landscape Architect on site. To be planted in same species groups of min. 30 plants. No lines; random pattern, evenly spaced.*

| No. | Species                   | Specification |
|-----|---------------------------|---------------|
|     | Allium                    | See above     |
|     | Anemone nemerosa          | See above     |
|     | Colchicum                 | See above     |
|     | Crocus spp.               | See above     |
|     | Galanthus nivea           | See above     |
|     | Muscari armeniacum        | See above     |
|     | Narcissus pseudonarcissus | See above     |

**GRASS SEEDING**

*The germination capacity of each constituent of the mixture should be not less than 80%, and the purity of the mixture not less than 90%. Total weed seed content should not be more than 0.5% and the total content of other crop seeds should not be more than 1%. The seed is to be thoroughly re-mixed before sowing to avoid patchiness on the ground. On min depth of 250mm topsoil. Above free draining de-compacted subsoil.*

| Common Name               | Density                        | Quantity |
|---------------------------|--------------------------------|----------|
| 'Coburns Urban Parks mix' | 35-50 grams per m <sup>2</sup> |          |

**WILDFLOWER MIX**

*Design by Nature Species Rich Amenity Grassland (Or similar as approved) Product Code: EC09  
Product Name: Species Rich Amenity Grassland (After the Heritage Council list of Grassland Classification)  
This is a very specific mixture of the most beautiful flora ideally suited to the improved soils found in parklands and rolling countryside.*

*This mixture has been the constant favourite of County Councils, park managers and nature conservationists. It can be sown with or without grass, and can be managed in many different ways, left tall, cut short or given mixed and varied management.*

| Name  | Density                    | Quantity |
|---|----------------------------|----------|
| Species Rich Amenity Grassland ; EC09   | 4 grams per m <sup>2</sup> |          |
| <b>SHORT GRASS MEADOW MIX</b><br>To be sown on borders of kick-about open space areas as per the wildflower spec above. |                            |          |
|   | <b>Name</b>                |          |
|   | Ajuga reptans              |          |
|   | Campanula rotundifolia     |          |
|   | Dipsacus fullonum          |          |
|   | Lotus corniculatus         |          |
|   | Mullein                    |          |
|   | Potentilla erecta          |          |
|   | Primula veris              |          |
|   | Prunella vulgaris          |          |
|   | Ranunculus repens          |          |
|   | Trifolium pratense         |          |
|   | Trifolium repens           |          |
|   | Thymus serpyllum           |          |
|   | Veronica chamaedrys        |          |
| <b>LONG GRASS MEADOW MIX</b><br>To be included in the wildflower meadow mix if not already present                      |                            |          |
|   | <b>Name</b>                |          |
|   | Achillea                   |          |
|   | Agrimonia                  |          |
|   | Centaurea nigra            |          |
|   | Cirsium arvense            |          |
|   | Cirsium vulgare            |          |
|   | Daucus carota              |          |
|   | Dipsacus fullonum          |          |
|   | Hypochaeris radicata       |          |
|   | Knautia arvensis           |          |
|   | Lathyrus pratensis         |          |
|   | Leucanthemum vulgare       |          |
|   | Mullein                    |          |
|   | Origanum vulgare           |          |
|   | Ranunculus acris           |          |
|   | Rhinanthus                 |          |
|   | Scabiosa                   |          |
|   | Scorzoneroides autumnalis  |          |
|   | Solidago                   |          |
|   | Succisa pratensis          |          |
|   | Vicia sativa               |          |

| <b>WOODLAND MEADOW MIX</b>   |                             |  |
|--|-----------------------------|--|
| To be sown to the entire boundary of the site in the woodland zone as per the wildflower spec above. |                             |  |
|  | <b>Name</b>                 |  |
|  | Allium ursinum              |  |
|  | Brassica                    |  |
|  | Chamaenerion angustifolium  |  |
|  | Digitalis purpurea          |  |
|  | Fragaria vesca              |  |
|  | Ficaria verna               |  |
|  | Galium verum                |  |
|  | Geranium robertianum        |  |
|  | Hyacinthoides non-scripta   |  |
|  | Lamium                      |  |
|  | Reseda luteola              |  |
|  | Silene dioica               |  |
|  | Stachys sylvatica           |  |
|  | Vicia sativa ssp. Segetalis |  |