

Ornamental Shrub Planting

Code	Species	Height	Condition	Breaks
Am	Alchemilla mollis 'Ladys Mantle'	20-30cm	3I C	3
Bm	Briza maxima 'Quaking Grass'	20-30cm	3I C	3
Hs	Helenium sinensis 'Maiden'	40-60cm	3I C	3
M	Miscanthus sinensis 'Maiden Grass'	30-40cm	3I C	5
Nf	Nepeta x fassenii 'Catmint'	40-60cm	3I C	4
Rf	Rudbeckia fulgida var. sullivantii 'goldsturm'	40-60cm	3I C	7
Sg	Stipa gigantea 'Golden Oats'	30-40cm	3I C	3
S	Stipa gigantea 'Golden Oats'	30-40cm	3I C	7
Sn	Salvia nemorosa ostfriesland	40-60 (D)	3I C	8
So	Salvia officinalis 'purpurascens'	40-60cm	3I C	4
St	sedum telephium 'herbstfreude'	30-40cm	3I C	3

- All species relate to and correspond to Donegal Species List, National Biodiversity Plan, Derry biodiversity plan.

Native Shrub Planting

Code	Species	Height	Condition	Per/m2
Ae	Agrimonia eupatoria	30-40cm	3I C	4
Bv	Berberis vulgaris	30-40cm	2I C	5
Cs	Cornus sanguinea	40-60cm	3I C	5
Dp	Digitalis purpurea	60-80cm	3I C	5
Ev	Erica vagans	-	2I C	6
Et	Erica terminalis	30-40cm	3I C	4
Ht	Hypericum tetrapterum	40-60cm	2I C	5
Gp	Geranium phaeum	20-30cm	3I C	5
Lv	Ligustrum vulgare	20-30cm	3I C	6
Ml	Medicago lupulina	10-15cm	1I C	6
Pj	Petasites japonicus	-	2I C	7
Pa	Polystichum aculeatum	-	3I C	5
Ps	Prunus spinosa	20-30cm	3I C	4
Rc	Rhamnus cathartica	-	3I C	6
Rs	Rosa spinosissima	20-30cm	3I C	3
Sa	Sambucus ebulus	40-60cm	3I C	3
Si	Sisyrinchium bermudiana	40-60cm	3I C	4
Tb	Taxus baccata	-	2I C	5
Ue	Ulex europeaus	20-30cm	3I C	5
Native Ground Cover Planting				
Bs	Brachypodium sylvaticum	30-40cm	3I C	5
Ca	Convolvulus arvensis	30-40cm	3I C	5
Hh	Hedera helix	30-40cm	3I C	5
Ls	Luzula sylvatica	20-30cm	3I C	7
Vv	Vaccinium vitis-idaea	30-40cm	3I C	6
Vo	Viola odorata	30-40cm	3I C	3

- All species relate to and correspond to Donegal Species List, National Biodiversity Plan, Derry biodiversity plan.

Hedge Planting

Species	%	Specification
Crataegus monogyna	100	1 + 1 100- 125 B
Ligustrum ovalifolium	100	1 + 1 100- 125 B

To be planted as double staggered rows @ 300mm centres in trench approx 750mm wide with rows 450mm apart, 10plants per/lm. Random groups of no less than 3 or more than 7 of the same species, ensuring that no three plants are aligned in any one direction. All to be fitted in standard spiral guard tree shelters. Tubex Spiral Shelter or similar approved to be used. size 50mm dia. x 45cm Spiral (Green Tint) Speciesrelate to and correspond to Donegal Species List, National Biodiversity Plan, Derry biodiversity plan.

Proposed Bulb Planting B1: 30 Bulbs per m2

%	Species	Specification
20	Allium ursinum	6/7
20	Convallaria majalis	6/7
20	Galanthus nivalis	5/6
20	Hyacinthus orientalis 'Lady Derby'	17/18
20	Narcissus pseudonarcissus	8/10

- All species relate to and correspond to Donegal Species List, National Biodiversity Plan, Derry biodiversity plan.
-To be planted alongside asphalt paths

Specimen Trees

Species	Height	Condition
Betula utilis jacquemontii 'Snow Queen'	20-25cm Girth	Rootball - 2.4m clear stem
Crataegus persimilis 'Prunifolia'	20-25cm Girth	Rootball - 2.4m clear stem
Prunus lusitanica	20-25cm Girth	Rootball - 2.4m clear stem

- All species relate to and correspond to Donegal Species List, National Biodiversity Plan, Derry biodiversity plan.

Native Tree Mix

Species	Height	Condition
Betula pendula	16-18cm Girth	Bare root - 2m clear stem
Crataegus lavellei	20cm Girth	Rootball - 2m clear stem
Fagus sylvatica	20cm Girth	Rootball - 2m clear stem
Quercus ilex	16-18cm Girth	Bare root - 2m clear stem
Quercus robur	20cm Girth	Rootball - 2m clear stem
Tilia cordata	20cm Girth	Rootball - 2m clear stem
Ulmus minor	16-18 cm Girth	Bare root - 2m clear stem

- All species relate to and correspond to Donegal Species List, National Biodiversity Plan, Derry biodiversity plan.

Native Wetland Tree Mix (W)

Species	%	Condition
Alnus glutinosa (w)	17	18-20cm Bare root - 2m clear stem
Betula pubescens (w)	12	25-30cm Bare root - feathered
Fraxinus excelsior (w)	13	18-20cm Bare root 2m clear stem
Quercus robur (w)	17	8-10cm Bare root - 2m clear stem
Salix caprea (w)	17	18-20cm Bare root - Feathered

* To be grown on by CVN 1 1 year ahead of planting
-Native Wetland Tree Mix: to be used with SuDS. Native Tree Mix: to be used on all others.
-Areas receiving either of the above native tree mixes should include the Following bulb mix planted evenly at 5 bulbs per m2. Hyacinthoides non scriptus 14/ 15 grade, Crocus purpureus Grandiflorus 5/ 6 grade, Crocus Flower Record 5/ 6 grade and Galanthus nivalis 5/ 6 grade.
-Areas receiving the above Native Tree Mix to be underplanted with Woodland Wildflower Mix (WF2) as per specification
-All species relate to and correspond to Donegal Species List, National Biodiversity Plan, Derry biodiversity plan.

SuDS Mix

Autumn Hawkbit (Leontodon autumnalis)
Betony (Stachys officinalis)
Bird's foot Trefoil (Lotus corniculatus)
Bladder Campion (Silene vulgaris)
Cat's ear (Hypochaeris radicata)
Common Knapweed (Centaurea nigra)
Common Sorrel (Rumex acetosa)
Common Toadflax (Linaria vulgaris)
Common Vetch (Vicia sativa)
Cowslip (Primula veris)
Field Scabious (Knautia arvensis)
Kidney Vetch (Anthyllis vulneraria)
Lady's Bedstraw (Galium verum)
Meadow Buttercup (Ranunculus acris)
Meadow Cranesbill (Geranium pratense)
Meadowsweet (Filipendula ulmaria)
Musk Mallow (Malva moschata)
Ox Eye Daisy (Leucanthemum vulgare)
Perforate St John's Wort (Hypericum perforatum)
Ragged Robin (Lychnis flos-cuculi)
Red Campion (Silene dioica)
Ribwort Plantain (Plantago lanceolata)
Rough Hawkbit (Leontodon hispidus)
Sainfoin (Onobrychis vicifolia)
Salad Burnet (Sanguisorba minor)
Self-heal (Prunella vulgaris)
Tufted Vetch (Vicia cracca)
White Campion (Silene latifolia)
Wild Carrot (Daucus carota)
Wild Marjoram (Origanum vulgare)
Wild Red Clover (Trifolium pratense)
Yarrow (Achillea millefolium)
Yellow Rattle (Rhinanthus minor)
Grasses
Sheep's Fescue (Festuca ovina)
Crested Dog's tail (Cynosurus cristatus)
Yellow Oatgrass (Trisetum flavescens)
Slender Creeping Red Fescue (Festuca rubra)ssp.littoralis)
Sweet Vernal Grass (Anthoxanthum odoratum)Smooth
Stalked Meadow Grass(Poa pratensis)

Wild Flower Mix (WF1)

Bird's foot trefoil (Lotus corniculatus)
Corn marigold (Glebionis segetum)
Devil's bit scabious (Succisa pratensis)
Field scabious (Knautia arvensis)
Foxglove (Digitalia purpurea)
Ladies bedstraw (Galium verum)
Lesser knapweed (Centaurea nigra)
Meadow vetchling (Lathyrus pratensis)
Ox-eye daisy (Leucanthemum vulgare)
Plantain (Plantago lanceolata)
Poppy (Papaver rhoeas)
Purple loosestrife (Lythrum salicaria)
Ragged robin (Silene flos-cuculi)
Red campion (Silene dioica)
Red clover (Trifolium pratense)
Scentless mayweed (Tripleurospermum inodorum)
Self-heal (Prunella vulgaris)
Sorrel (Rumex acetosa)
St John's wort perforate (Hypericum perforatum)
Tufted vetch (Vicia cracca)
Wild carrot (Daucus carota)
Yarrow (Achillea millefolium)
Yellow rattle (Rhinanthus minor)
Meadow Grasses
Common bent (Agrostis capillaris)
Crested dog's-tail (Cynosurus cristatus)
Sheep's fescue (Festuca ovina)
Slender creeping red fescue (Festuca rubra0
Sweet Vernal Grass (Anthoxanthum odoratum)

*Supplied as seed

Woodland Wild Flower Mix (WF2)

Autumn Hawkbit (Leontodon autumnalis)
Betony (Stachys officinalis)
Bird's foot Trefoil (Lotus corniculatus)
Cat's ear (Hypochaeris radicata)
Common Knapweed (Centaurea nigra)
Common Sorrel (Rumex acetosa)
Common Toadflax (Linaria vulgaris)
Common Vetch (Vicia sativa)
Cowslip (Primula veris)
Dames Violet (Hesperis matronalis)
Field Scabious (Knautia arvensis)
Hemp Agrimony (Eupatorium cannabinum)
Kidney Vetch (Anthyllis vulneraria)
Lady's Bedstraw (Galium verum)
Meadow Buttercup (Ranunculus acris)
Meadow Cranesbill (Geranium pratense)
Meadow Vetchling (Lathyrus pratensis)
Meadowsweet (Filipendula ulmaria)
Musk Mallow (Malva moschata)
Nettle Leaved Bellflower (Campanula trachelium)
Ox Eye Daisy (Leucanthemum vulgare)
Perforate St John's Wort (Hypericum perforatum)
Ragged Robin (Lychnis flos-cuculi)
Red Campion (Silene dioica)
Plantain (Plantago lanceolata)
Rough Hawkbit (Leontodon hispidus)
Sainfoin (Onobrychis vicifolia)
Salad Burnet (Sanguisorba minor)
Self-heal (Prunella vulgaris)
Sweet Cicely(Myrrhis odorata)
Water Avens (Geum rivale)
White Campion (Silene latifolia)
Wild Carrot (Daucus carota)
Wild Marjoram (Origanum vulgare)
Wild Red Clover (Trifolium pratense)
Wood Sage (Teucrium scorodonia)
Yarrow (Achillea millefolium)
Yellow Rattle (Rhinanthus minor)
Grasses
Sheep's Fescue (Festuca ovina)
Crested Dog's tail (Cynosurus cristatus)
Yellow Oatgrass (Trisetum flavescens)

*Supplied as seed
*To be planted under existing woodland areas to be agreed on site if not otherwise defined.

Riverside Edge Mix (WF3)

Bird's foot trefoil (Lotus corniculatus)
Poppy (Papaver rhoeas)
Devil's bit scabious (Succisa pratensis)
Field scabious (Knautia arvensis)
Foxglove (Digitalia purpurea)
Ladies bedstraw (Galium verum)
Lesser knapweed (Centaurea nigra)
Ox-eye daisy (Leucanthemum vulgare)
Plantain (Plantago lanceolata)
Purple loosestrife (Lythrum salicaria)
Ragged robin (Silene flos-cuculi)
Red campion (Silene dioica)
Red clover (Trifolium pratense)
Scentless mayweed (Tripleurospermum inodorum)
Self-heal (Prunella vulgaris)
Sorrel (Rumex acetosa)
St John's wort perforate (Hypericum perforatum)
Wild carrot (Daucus carota)
Yarrow (Achillea millefolium)
Yellow rattle (Rhinanthus minor)
Meadow Grasses
Common bent (Agrostis capillaris)
Crested dog's-tail (Cynosurus cristatus)
Sheep's fescue (Festuca ovina)
Slender creeping red fescue (Festuca rubra)
Sweet Vernal Grass (Anthoxanthum odoratum)

*Supplied as Turf

Amenity Grassland

25% Chewings Fescue
35% Chewings Fescue
20% String Creeping Red Fescue
30% Browntop Bentgrass

*Supplied as seed
*To be used in amenity and reinforced grass areas

Wildflowers



Glebionis segetum (Corn Marigold)



Succisa pratensis (Devils Bit)



Lythrum salicaria (Purple Loosestrife)



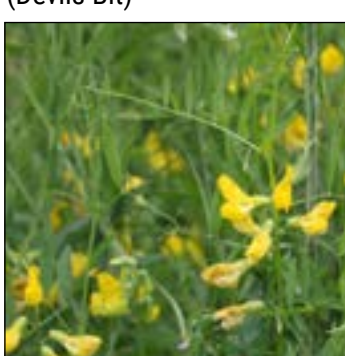
Silene flos-cuculi (Ragged Robin)



Silene dioica (Red Campion)



Leucanthemum vulgare (Ox-eye Daisy)



Lathyrus pratensis (Meadow Vetchling)



Knautia arvensis (Field Scabious)



Galium verum (Ladies Bedstraw)



Agrostis capillaris (Common Bent)

SuDS



Anthyllis vulneraria (Kidney Vetch)



Rhinanthus minor (Yellow Rattle)



Silene vulgaris (Bladder Campion)



Festuca ovina (Sheeps Fescue)



Leontodon hispidus (Rough Hawbit)



Hypericum perforatum (St Johns Wort)



Malva moschata (Musk Mallow)



Anthoxanthum odoratum (Sweet Vernal Grass)



Primula veris (Cowslip)



Daucus carota (Wild Carrot)

Native Shrubs



Geranium phaeum (Mourning widow)



Taxus baccata (Yew)



Erica vagans (Heath)



Cornus sanguinea (Dogwood)



Berberis vulgaris (Barberry)



Sambucus ebulus (Dwarf elder)



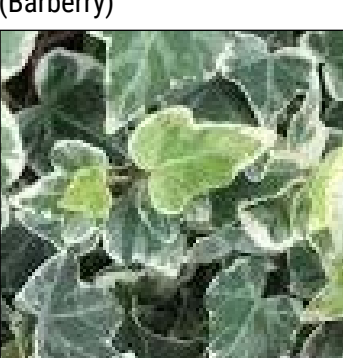
Rosa spinosissima (Burnet rose)



Luzula sylvatica (Great wood-rush)



Helleborus viridis (Green hellebore)



Hedra helix (Ivy)

Native Trees



Betula pendula (Birch)



Alnus glutinosa (Black Alder)



Crataegus lavellei (Hawthorn)



Fagus sylvatica (Beech)



Quercus ilex (Holm Oak)



Ulmus minor (Field Elm)



Fraxinus excelsior (Ash)



Salix caprea (Pussy Willow)



Tilia cordata (Lime)



Quercus robur (Common Oak)

PLANTING NOTES

-Landscape works to be undertaken by an ALCI (Association of Landscape Contractors of Ireland) approved landscape contractor and in accordance with BS 4428:1989 Code of practice for general landscape operations (excluding hard surfaces).
-Topsoil preparation, quality, depths, cultivation and final grading shall be carried out in suitable weather conditions as per BS 3882:2007 Specification for topsoil and requirements for use.
-Trees supply and planting shall correspond to BS 8545 Trees: from nursery to independence in the landscape Recommendations.
-Planting of trees shall be undertaken in favourable weather conditions between October 31st to March 31st.
-All work shall conform to a minimum standard as set out in BS 4043:1989 Recommendations for transplanting root-balled trees. Existing Tree Works to BS5837.
-Transplants and container grown shrubs shall be of the size stated and conform to BS 3936 - Part 1: Nursery stock specification for trees and shrubs.
-Bark Mulch to be installed to all planting ornamental beds.
-All tree pits to be excavated and backfilled prior to trees being lifted from nursery to ensure pits are available.
-All Tree works to be in accordance with BS5837 - Trees In Relation To Design, Demolition & Construction.
-All seed supplied by EcoSeeds or equal approved
-All turf supplied by Wildflower Turf or equal approved
-Any discrepancies to be flagged up to PM immediately.

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 Derry City & Strabane District Council

Project Status **STAGE 3 - PLANNING**

Project **RIVERINE COMMUNITY PARK**