

Tree Planting Specification

Tree planting throughout the scheme has been selected to blend the development in to its surrounding environs. All trees shall comply to BS3936, Specification of Nursery Stock. The trees shall be purchased from a reputable nursery as rootball specimens and final order to be agreed by Landscape Architect; The trees shall be planted on delivery. All plant material where possible should be Irish grown Nursery Stock and the importation of foreign planting material should be avoided where possible. The planting season for bar root and rootball specimens is between the months of Nov and March. If this is not possible due to weather conditions (wet or frosty), the plants must be healed in. The tree planting shall take place no later than the first season post completion of the project. Tree root barrier shall be installed where trees are located within a 2.5m diameter from center.

Maintenance Watering is essential during the first 2 growing seasons regardless of the weather conditions - 1000Lt / Tree/ Month. Maintenance works shall be carried out in accordance with the requirements of the BS:4428 (1989) Code of practice for General Landscape Operations (excluding hard surfaces).

Replacements of trees; Any trees as specified in accordance to this condition, which maybe removed, die, severely damaged or severely diseased within three years post planting shall be replaced with same or similar variety and same size as those specified below.

Specimen varieties	Specification	Size	Height	Qty
Amla Amerlanchier lamarkii	Clearstem	14-16cm	3.5m+	13
BePe Betulus Pendula	Clearstem	14-16cm	3.5m+	20
PiSy Pinus Sylvestris	Clearstem	18-20cm	4.5m+	5
SoAu Sorbus aucuparia	Clearstem	18-20cm	4.5m+	4
LiSl Liquidamber stactiflua	Clearstem	18-20cm	4.5m+	8

Methodology and Guidance Notes: The tree pit should have a diameter at least 100mm greater than that of the root system, with the depth not exceeding the rootball. Any glazed or smeared sides caused by digging shall be scarified with the use of a fork. The tree will be positioned in the centre of the planting pit at the correct depth, taking into account the root flare and finished level. Prior to backfilling the hessian twine/wire cage supporting the rootball shall be loosened or removed. Backfilling shall be carried out in layers of 150mm, ensuring the tree is held upright. At each stage the fill will be carefully firmed in to eliminate air pockets under and around the root system. The final layer of backfill will not be consolidated, but should be of a sufficient depth to allow for settlement and mulching. Formative pruning should be carried out if required, removing dead, damaged, crossing or diseased branches. Refer to Tree planting specification for tree anchoring system. All trees planting operation will be carried in accordance with BS8545:2014 Trees: from nursery to independence in the landscape -Recommendations.

Landscape Notes:

All plant material where possible should be Irish grown Nursery Stock and the importation of foreign planting material should be avoided within the proposed planting scheme

All Landscape Works shall be undertaken by ALCI approved Landscape Contractor and in accordance with Landscape specifications. Topsoil to BS 3882:1994, general grade, free from sharp edged stone. Backfilling Materials: A previously prepared thorough mixture of:

-70% by volume topsoil excavated for the pit and the additional topsoil as required.

-25% by volume approved well-rotted organic material.

-5% by volume coarse grained washed river sand.

-600g/cu m bonemeal of medium fine texture, containing not so less than 20% soluble potash and 3-5% nitrogen.

Maintenance

Initial Landscape operations will be undertaken by ALCI member. All operations will be carried out to a standard specification. The contractor will be responsible for plant establishment for a three year period. Any trees and shrubs dying, damaged or removed shall be replaced in the following planting season with plant of similar size and species.

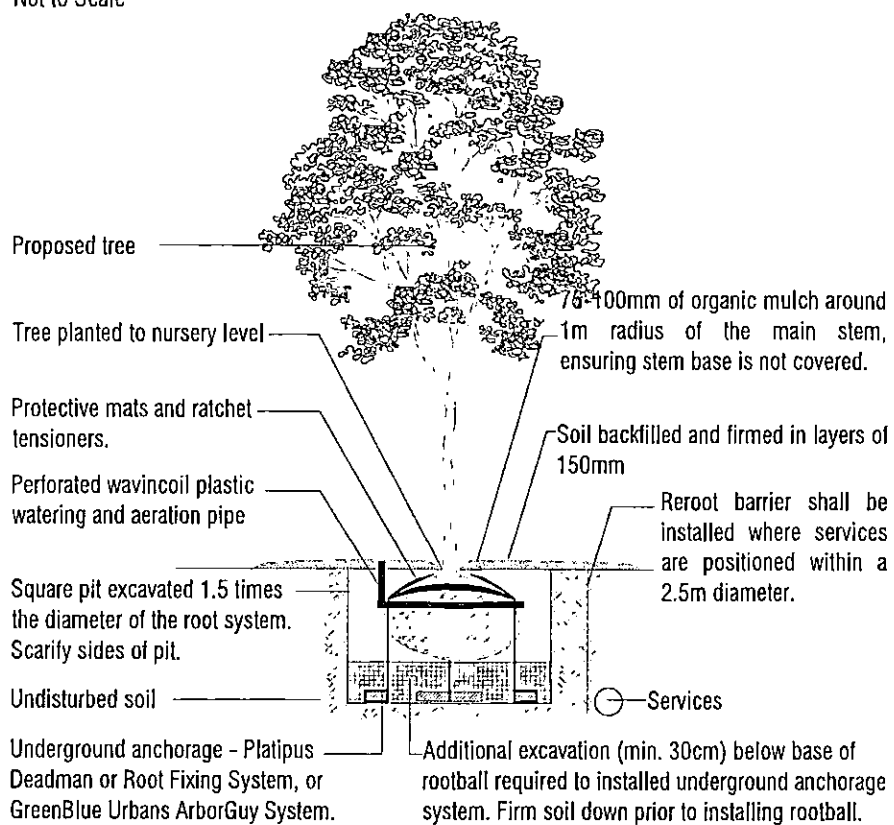
Grass Seeded Area

Festuca ovina	20%
Poa pratensis	10%
Festuca rubra	30%
Festuca rubra subsp. Commutata	20%
Agrostis capillaris	15%
Trifolium repens	5%

Sowing Rate : 30grams/ sqm

Detail 2: Tree Planting Underground Guying system for Trees 18-20cm girth and over

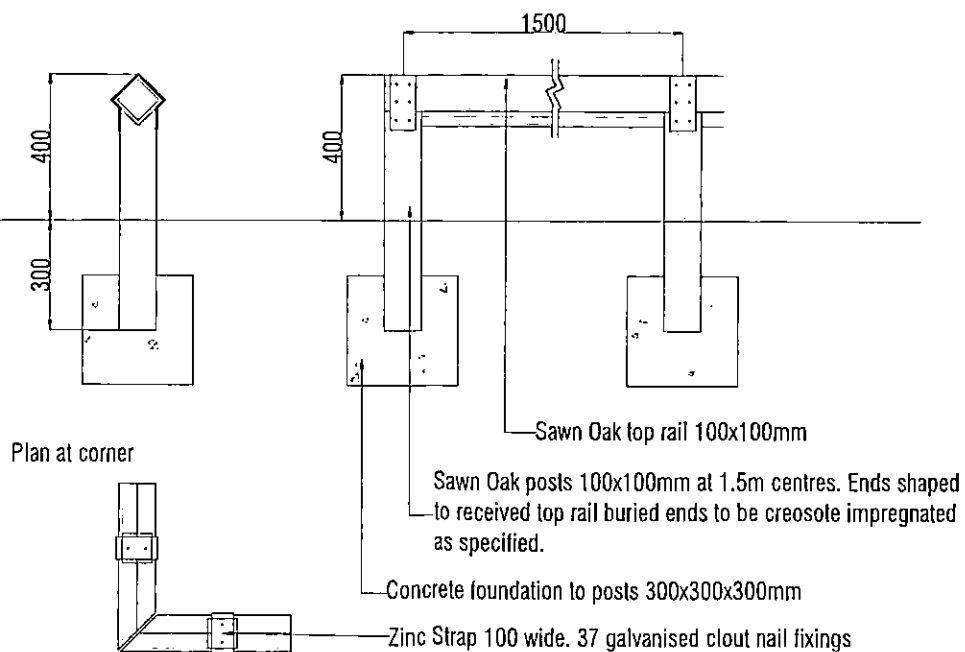
Not to Scale



Knee high timber rail

Section Detail

Elevation showing Joint and Stop end



Mixed Ornamental Planting

A mix of evergreen and deciduous shrubs will be planted in selected areas to soften the development and provide continuous aesthetic value to the landscape throughout the year. A mix of medium / low shrubs shall be planted to shrub beds with medium/ large varieties used against high walls and boundaries. All plant material where possible should be Irish grown Nursery Stock and the importation of foreign planting material should be avoided. Planted areas to be cultivated prior to planting of material. Top dress planted areas with 100mm of fine grade mulch.

Shrubs	spacing	spec	size	spacing	Quantity
Bergenia 'Harzkristall'	5/sqm	cg	2L	10%	130
Calimagrostis 'Karl Foerster'	3/sqm	cg	3L	5%	39
Carex 'Evergold'	5/sqm	cg	2L	10%	130
Euonymus 'Emerald Gaiety'	5/sqm	cg	3L	10%	130
Hydrangea 'Limelight'	1/sqm	cg	10L	5%	26
Nepeta 'Walkers Low'	5/sqm	cg	2L	5%	65
Pachysandra 'Green Carpet'	5/sqm	cg	2L	10%	130
Pittosporum 'Tom Thumb'	3/sqm	cg	5L	10%	78
Cornus Canadensis	4/sqm	cg	3L	10%	104
Hebe 'Purple Queen'	3/sqm	cg	3L	10%	78
Libertia Formosa	4/sqm	cg	2L	5%	104
Viburnum davidii	4/sqm	cg	5L	10%	104

Dry Swale - Suggested Planting Mix

Planted areas to be constructed for drainage percolation. Top dress planted areas with beech pebble stone 50mm+. All plant material where possible should be Irish grown Nursery Stock and the importation of foreign planting material should be avoided.

Inlet planting mix	size	spacing
Iris pseudacorus (Yellow flag Iris),	2ltr	4/Sqm
Juncus effusus (Corkscrew rush)	2ltr	5/Sqm
Carex pendula (Pendulous sedge)	2ltr	5/Sqm
Lobelia cardinalis (Cardinal flower)	2ltr	4/Sqm
Zantedeschia aethiopica (arum lily)	3ltr	2/Sqm
Lythrum salicaria (Purple loosestrife).	2ltr	4/Sqm

General planting mix	size	spacing
Sambucus nigra	5ltr	1/Sqm
Cornus 'Midwinter fire'	5ltr	3/Sqm
Hydrangea 'Annabelle'	5ltr	2/Sqm
Rosa rugosa	5ltr	2/Sqm
Campanula glomerata	3ltr	3/Sqm
Crocsmia 'Lucifer'	3ltr	4/Sqm
Calamagrostis brachytricha	3ltr	3/Sqm
Deschampsia cespitosa	3ltr	3/Sqm
Geranium 'Rozanne'	3ltr	3/Sqm
Hemerocallis in varieties	3ltr	4/Sqm
Iris Sibirica	3ltr	4/Sqm
Miscanthus sinensis	3ltr	3/Sqm

Typical plants layout

1 plant per m ²	3 plant per m ²	5 plant per m ²
2 plant per m ²	4 plant per m ²	

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