

**Tree Planting Specification**

Tree planting throughout the scheme has been selected to blend the development in to its surrounding environs and create focal points within the development. The tree species selected will maximise food and nectar sources for birds and invertebrates. Trees will be planted as Standard and Heavy Standard to provide a reasonable degree of instant maturity to the development.

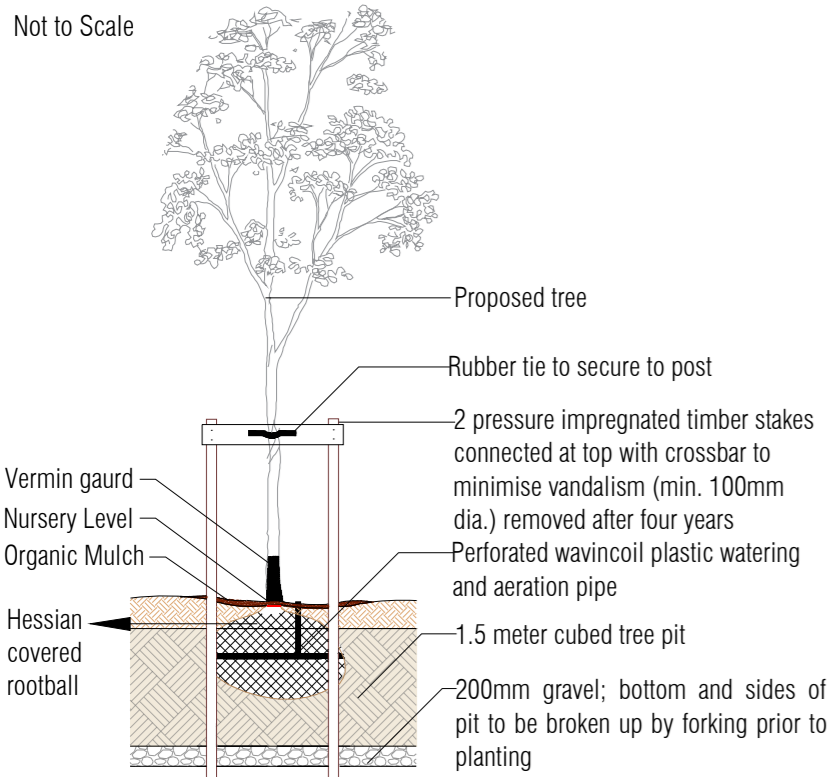
All trees shall be planted between the months of Nov and March. The trees shall be purchased from a reputable nursery as rootball specimens and final order to be agreed by Landscape Architect; The trees shall be planted on delivery. If this is not possible due to weather conditions (wet or frosty), the plants must be healed in. Maintenance Watering is essential during the first 2 growing seasons regardless of the weather conditions - 1000Lt / Tree/ Month.

Specimen varieties	Specification	Size	Height	Qty
AC Acer campestre	Clearstem	14-16cm	4m+	5
AM Amerlanchier lamarkii	Multistem	2.5m+	2.5m+	3
BP Betulus pubescens	Clearstem	14-16cm	4m+	3
CB Carpinus betulus	Clearstem	14-16cm	4m+	3
CP Crataegus prunifolia	Clearstem	14-16cm	4m+	5
CC Corylus avellana	Clearstem	14-16cm	4m+	3
FS Fagus sylvatica	Clearstem	14-16cm	4m+	2
IA Ilex aquifolium	Feathered	2.5m+	2.5m+	4
ME Malus sylvestris	Clearstem	14-16cm	4m+	3
PN Pinus sylvestris	Clearstem	16-18cm	3m+	1
QR Quercus robur	Clearstem	12-14cm	4m+	4
VP Viburnum grandiflora	Multistem	2m	2m+	5

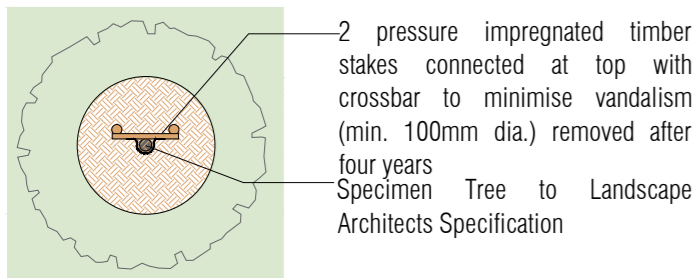
**Methodology and Guidance Notes:** The tree pit should have a diameter at least 100mm greater than that of the root system, with the depth not exceeding the rootball. Any glazed or smeared sides caused by digging shall be scarified with the use of a fork. The tree will be positioned in the centre of 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.

**Detail 1: Standard Rootball Tree Planting Specification**

Not to Scale



Square planting pit shall be large enough to accommodate tree roots. Pit to be backfilled with a mix of topsoil, planting compost and polymer granular. The bottom and sides of pit to be broken up by forking prior to planting.



**Woodland Planting Mix - 2 plants per square meter**

Indigenous planting shall be positioned as a backdrop to the open space of the development. Species will include hazel, whitethorn, field rose and wild apple. This will provide flowering species and berries to provide year round interest and improve ecological value of the site. The planting will provide a valuable food source and habitat for birds and invertebrates. Species to be planted in random groups to create a 'natural' effect. Planting shall be carried out first winter post construction. The planting shall be spaced at three plant / meter square. This will require coppicing suitable vegetation on a five year rotation. The plants shall be planted as whip materials. All plants shall be protected from vermin at planting with rabbit guards that shall be removed after a five year period. Quantities; The number of plants required shall be quantified post construction

Woodland mix (60%)

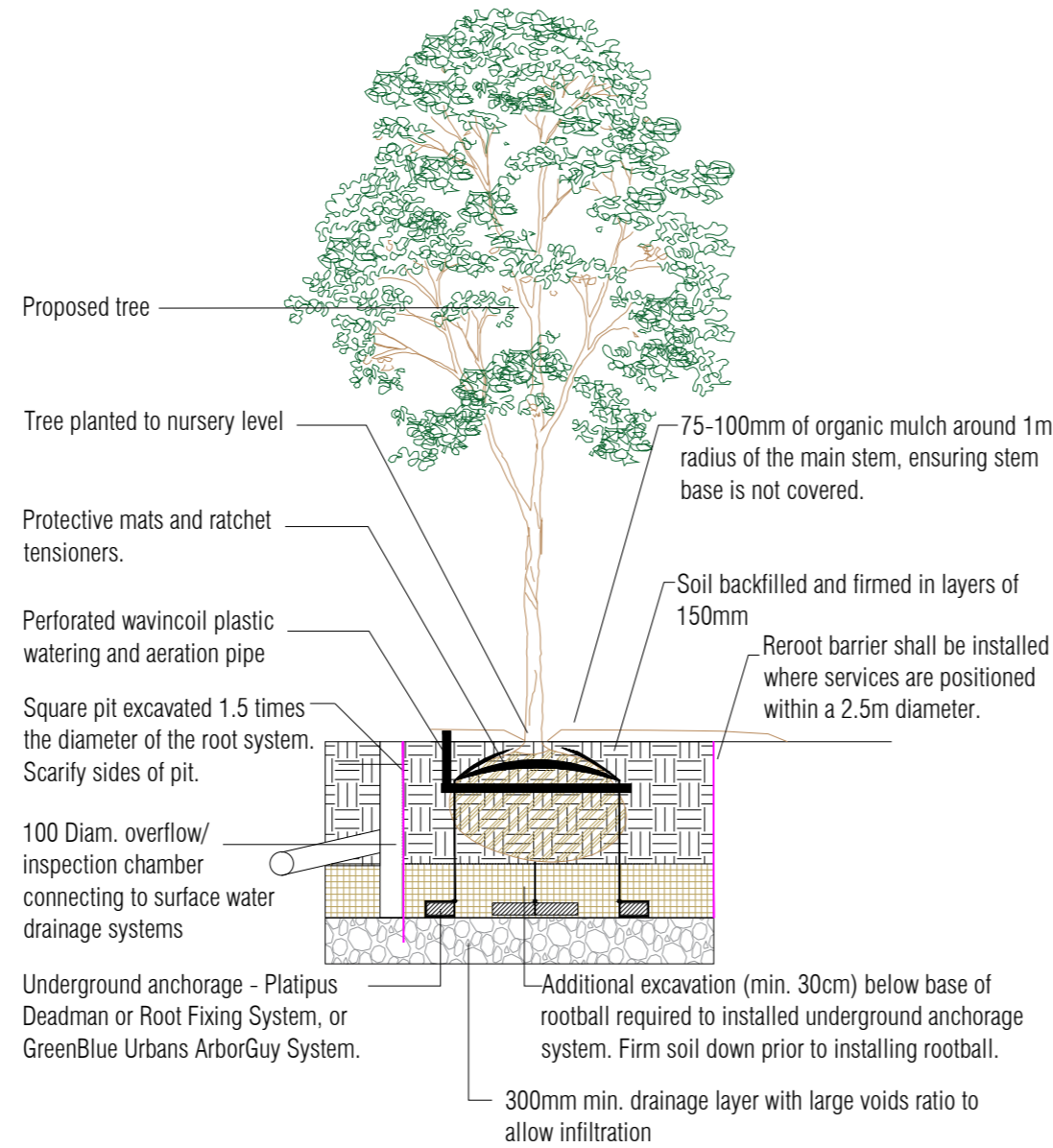
Specimen varieties	specification	% mix	Size
Corylus avellana	(Hazel) b/r (1+1)	10%	60-90cm
Sorbus acuparia	(Rowan) b/r (2+0)	10%	90-120cm
Crataegus monogyna	(Whitethorn) b/r (1+1)	10%	60-90cm
Salix spp.	(Willow) b/r (1+1)	10%	60-90cm
Sambucus nigra	(Elder sp.) b/r (0+1)	10%	60-90cm
Malus sylvestris	(Wild Apple) b/r (1+1)	10%	90-120cm
Euonymus europaeus	(Peg Bush) b/r (1+1)	10%	60-90cm
Ilex aquifolium	(Holly) container	10%	2ltr
Rosa canina	(Dog Rose) b/r (1+1)	10%	30-40cm
Viburnum opulus	(Guelder Rose) b/r (1+1)	10%	60-90cm

Herb layer planting (40%)

Specimen varieties	specification	% mix	Size
Hyacinthoides	(Bluebells) container	10%	3ltr
Anemone nemorosa	(Wood anemone) container	15%	3ltr
Primula vulgaris	(Primrose) container	10%	3ltr
Viola riviniana	(Dog Violet) container	10%	3ltr
Dryopteris affinis	(Male Fern) container	15%	3ltr
Polystichum setiferum	(Shield Fern) container	10%	3ltr
Digitalis purpurea	(Fox Glove) container	15%	3ltr
Allium ursinum	(Ramsoms) container	15%	3ltr

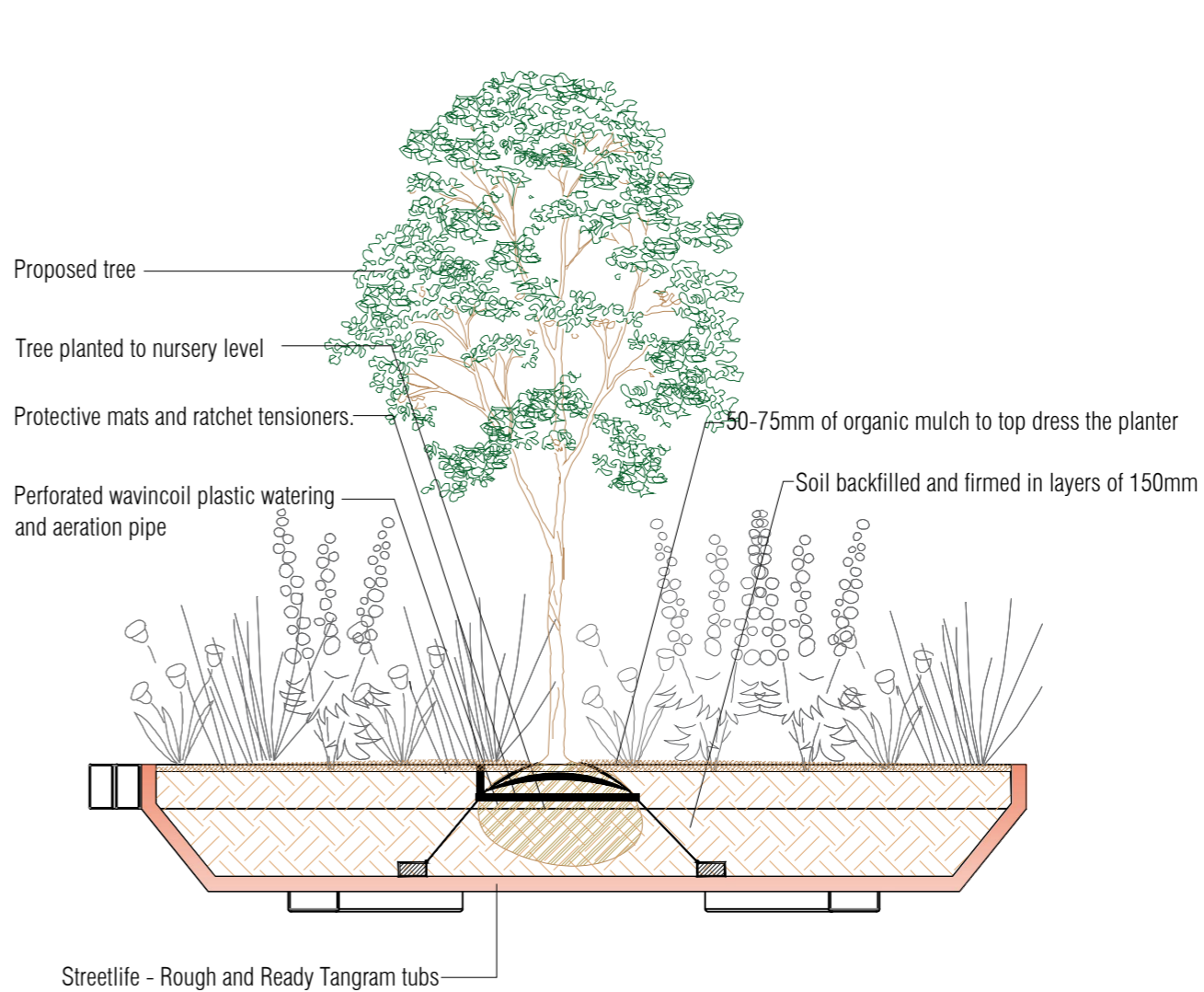
**Typical sunken tree pit section**

Not to Scale



**Typical container planting**

Not to Scale



**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.

Shrubs	Size	spacing
Berberis 'Atropurpurea Nana'	3lt	5/sqm
Ceanothus repens	3lt	4/sqm
Escallonia 'Apple Blossom'	3lt	4/sqm
Euonymus 'Emerald Gaiety'	3lt	6/sqm
Ilex 'Argentea Marginata'	10lt	2/sqm
Potentilla 'Red Ace'	3lt	5/sqm
Spirea 'Gold Flame'	5lt	4/sqm
Viburnum davidii	5lt	4/sqm

Perennials	Size	spacing
Acanthus spinosus	3lt	4/sqm
Calamagrostis 'Overdam'	3lt	4/sqm
Dryopteris affinis crist 'The King'	3lt	5/sqm
Epimedium x sulphureum	3lt	6/sqm
Miscanthus 'Silberfeder'	3lt	2/sqm
Nepeta 'Walkers Low'	3lt	5/sqm
Perovskia 'Blue Spire'	3lt	5/sqm
Persicaria 'Inverleith'	3lt	5/sqm
Rudbeckia 'Goldsturm'	3lt	5/sqm
Rodgersia pinnata	3lt	5/sqm
Salvia 'Caradonna'	3lt	5/sqm
Stipa gigantea	3lt	2/sqm

**Suggested shade tolerant planting List**

Botanical name	size	spacing
Anemone 'Honoire Jobert'	3lt	3/sqm
Dryopteris felix-mas	3lt	5/sqm
Sarcococcoa confusa	3lt	4/sqm
Epimedium x sulphureum	3lt	5/sqm
Stipa gigantea	3lt	1/sqm
Calimagrostis 'Overdam'	3lt	2/sqm
Polystichum polyblepharum	3lt	4/sqm

**Grass Seeded Area: Public & Private Realm**

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

Sowing Rate : 30grams/ sqm

**Landscape Notes:**

All Landscape Works shall be undertaken by ALCI approved landscape contractor 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.
- 25% by volume approved well-rotted organic material.
- 5% by volume coarse-grained washed river sand.
- 600g/m2/ bone meal of medium fine texture, containing not so less than 20% soluble potassium and 3-5% nitrogen.

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		Project: Dolcain House, Monastery Road, Dublin 22	Date: JAN 2022	Checked by: JMC
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