

Tree planting specification

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. All Trees positioned within a 2.5m diameter of services shall have root barrier installed, Trees located within hard landscaped areas shall be planted using the Strata cell specification with Root barrier please refer to specification sheets.

Maintenance Watering is essential during the first 2 growing seasons regardless of the weather conditions - 1000Lt / Tree/ Month.

Name	Spec	Size	height
Acer campestre	Clearstem: r/b	18-20cm	5m
Acer 'Autumn Blaze'	Clearstem: r/b	16-18cm	4m
Acer 'October Glory'	Clearstem: r/b	16-18cm	4m
Amerlanchier lamarkii	Multistem: r/b	2.5-3m	2.5-3m
Betula Pubescens	Multistem: r/b	2.5-3m	2.5-3m
Betula pendula	Clearstem: r/b	16-18cm	4.5m
Carpinus betulus	Clearstem: r/b	25-30cm	7m
Corylus colurna	Clearstem: r/b	18-20cm	5m
Fagus sylvatica	Fethered: r/b	25-30cm	7m
Liquidambar styraciflua	Clearstem: r/b	18-20cm	5m
Malus 'Everest'	Clearstem: r/b	14-16cm	3.5m
Metasequoia glyptostroides	Clearstem: r/b	14-16cm	3.5m
Parrotia persica	Clearstem: r/b	14-16cm	3.5m
Pinus sylvatica	Clearstem: r/b	20-25cm	5m
Quercus palustris	Clearstem: r/b	25-30cm	7m
Quercus robur	Clearstem: r/b	12-14cm	7m
Quercus 'Fastigata Koster'	Clearstem: r/b	16-18m	4m
Sorbus acuparia	Clearstem: r/b	16-18cm	4m
Tilia 'Pallida'	Clearstem: r/b	20-25cm	5m

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 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.

Hedgerow specification

The hedge shall be planted post construction, between Nov and Feb as bare root stock. The plants shall be purchased from a reputable nursery under the guidance of the Landscape Architect. Planting shall be carried out using the notch planting method in suitable planting conditions (dry & not frosty). The hedgerow shall be planted with 3 plants per linear meter along a post and wire fence for support. Maintenance - The Hedgerow shall be maintained at 1.5 m height.

Quantities - To be Quantified on site post construction

Plants required	Size	% of mix
Cralaegus monogyna (Whitethorn) Advanced Nursery stock	1.5m	50%
Crarpinus betulus (Hornbeam) Advanced Nursery stock	1.5m	50%



Woodland Plantation Specification - 3 plants per square meter

Indigenous planting shall be positioned as a backdrop along the North East boundary fringe of the development. Species will include hazel, whitethorn, holly 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

Specimen varieties	specification	% mix	Size
Corylus avellana (Hazel)	b/r (1+1)	15%	60-90cm
Sorbus acuparia (Rowan)	b/r (2+0)	10%	90-120cm
Crateagus monogyna (Whitethorn)	b/r (1+1)	5%	60-90cm
Salix spp. (Willow)	b/r (1+1)	5%	60-90cm
Sambucus nigra (Elder sp.)	b/r (0+1)	5%	60-90cm
Malus sylvestris (Wild Apple)	b/r (1+1)	5%	90-120cm
Euonymus europaeus (Peg Bush)	b/r (1+1)	15%	60-90cm
Ilex aquifolium (Holly)	container	15%	2ltr
Rosa canina (Dog Rose)	b/r (1+1)	5%	30-40cm
Viburnum opulus (Guelder Rose)	b/r (1+1)	10%	60-90cm
Hyacinthoides (Bluebells)	container	1.25%	3ltr
Anemone nemorosa (Wood anemone)	container	1.25%	3ltr
Primula vulgaris (Primrose)	container	1.25%	3ltr
Viola riviniana (Dog Violet)	container	1.25%	3ltr
Dryopteris affinis (Male Fern)	container	1.25%	3ltr
Polystichum setiferum (Shield Fern)	container	1.25%	3ltr
Digitalis purpurea (Fox Glove)	container	1.25%	3ltr
Allium ursinum (Ramsons)	container	1.25%	3ltr

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.

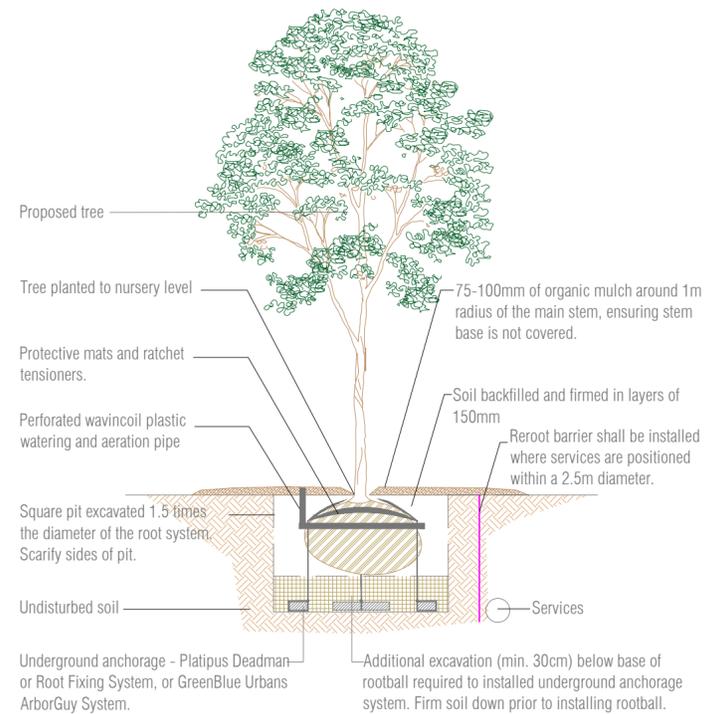
Shrubs	Size	spacing
Berberis 'Atropurpurea Nana'	3lt	5/sqm
Ceanothus repens	3lt	4/sqm
Escallonia 'Apple Blossom'	3lt	4/sqm
Euonymus 'Emerald Gaiety'	3lt	6/sqm
Ilex 'Argentea Marginata'	10lt	2/sqm
Potentilla 'Red Ace'	3lt	5/sqm
Spirea 'Gold Flame'	5lt	4/sqm
Viburnum davidii	5lt	4/sqm
Perennials	Size	spacing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

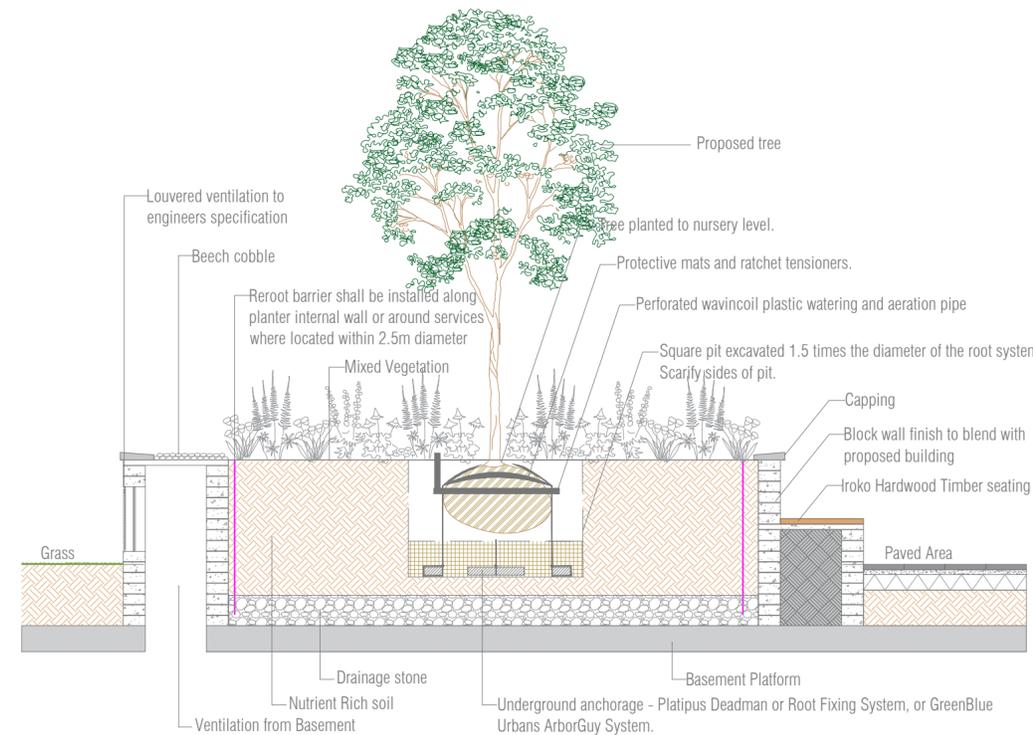
Detail 1: Tree Planting Underground Guying

Not to Scale



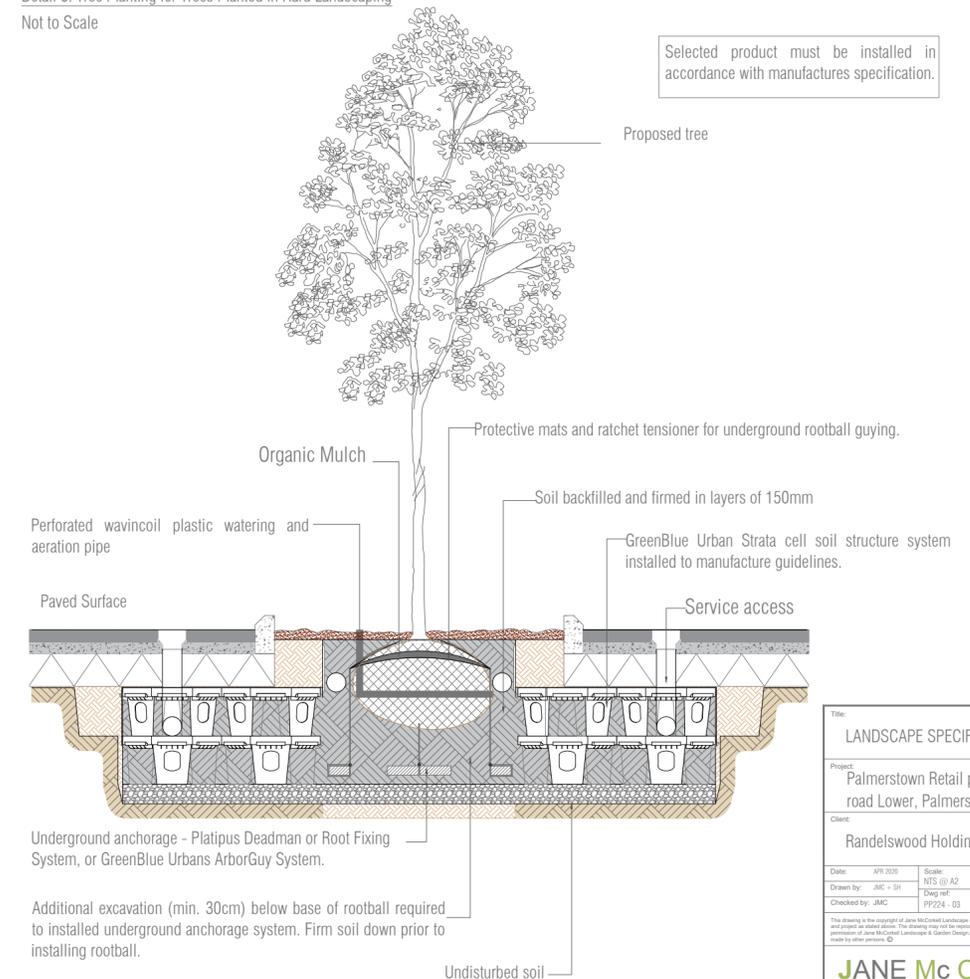
Detail 3: Tree Planting within raised planters

Not to Scale



Detail 3: Tree Planting for Trees Planted in Hard Landscaping

Not to Scale



Title: **LANDSCAPE SPECIFICATIONS**

Project: **Palmerstown Retail park, Kennelsfort road Lower, Palmerstown, Dublin 20.**

Client: **Randelswood Holdings Ltd.**

Date: 09/2020 Scale: NTS @ A2 Status: PLANNING

Drawn by: JMC + SH Dwg ref: PP224 - 03 Rev: 10

Checked by: JMC

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