

Tree Planting Specification

Tree planting throughout the scheme has been selected to blend the development in rural environs and create focal points within 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 heated in. All Trees positioned in hard landscaped areas shall be planted using the Strata cell specification with Root barrier please refer to specification sheets. Trees shall not be planted within 5 meters of lighting columns.

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

Selected Semi-Mature Trees

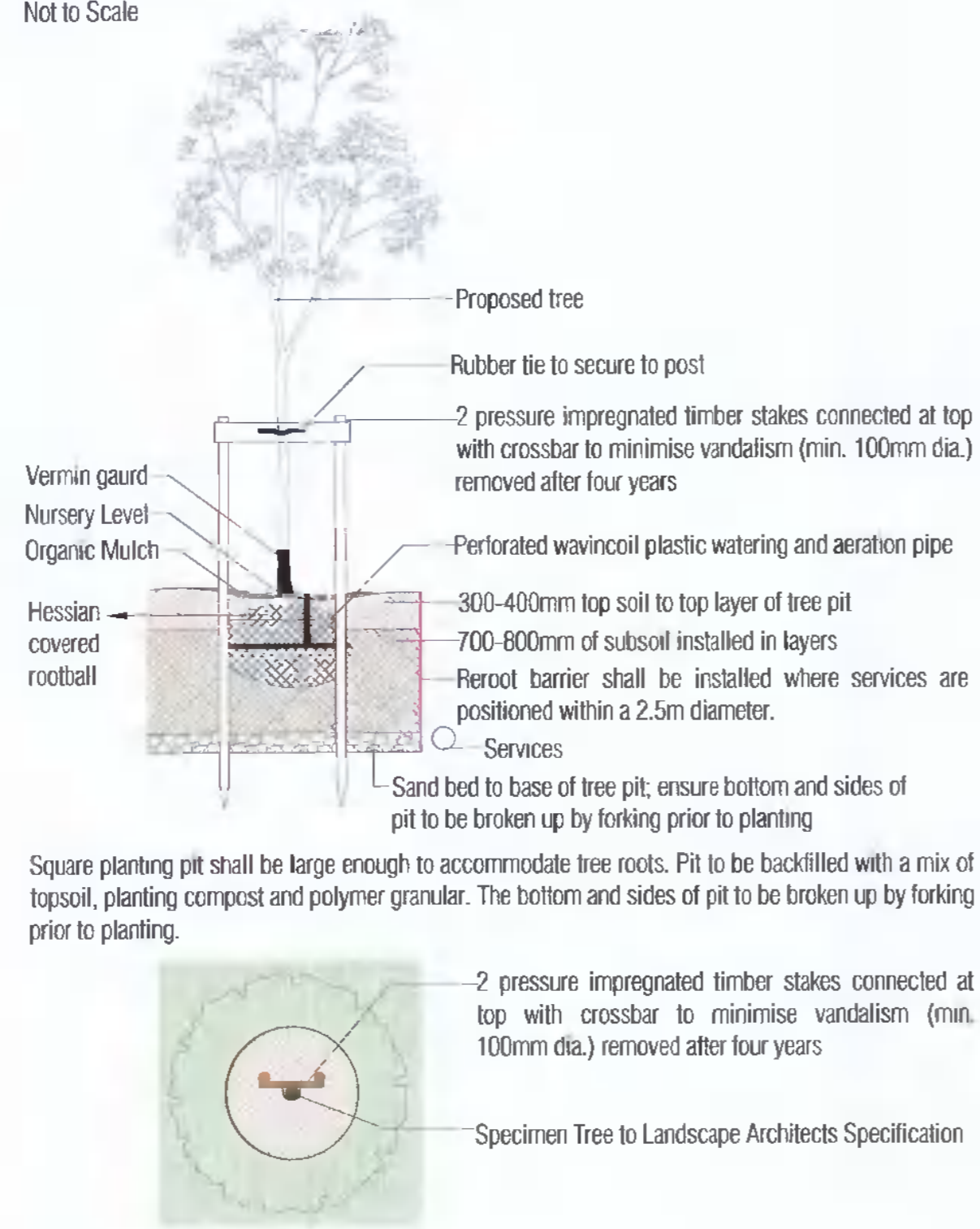
Specimen varieties	specification	Size	Height	Quantity
Ap Acer pseudoplatanus	Clearstem	14-16m	5.0m+	4
Cb Carpinus betulus	Clearstem	16-18cm	5.0m+	5
Fs Fagus sylvatica	Feathered	14-16cm	6.0m+	4
Ms Malus sylvestris	Clearstem	12-14	3.0m+	5
la Ilex aquifolium	Feathered	2m	2.0m+	4
Sa Sorbus acuparia	Clearstem	12-14cm	3.0m+	5
Tp Tilia pallida	Clearstem	14-16cm	6.0m+	5
Bp Betula pubescens	Clearstem	12-14cm	4.0m+	6
Cp Crataegus 'Prunifolia'	Clearstem	14-16cm	4.0m+	5
Am Amerlanchier kamarkii	Multistem	2.0m+	2.0m+	6
Qr Quercus robur	Clearstem	10-12cm	4.0m+	8
Ps Pinus Sylvestris	Clearstem	16-18cm	3.0m+	3
Mal Malus spp. in Var	Clearstem	12-14cm	2.5m+	14

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



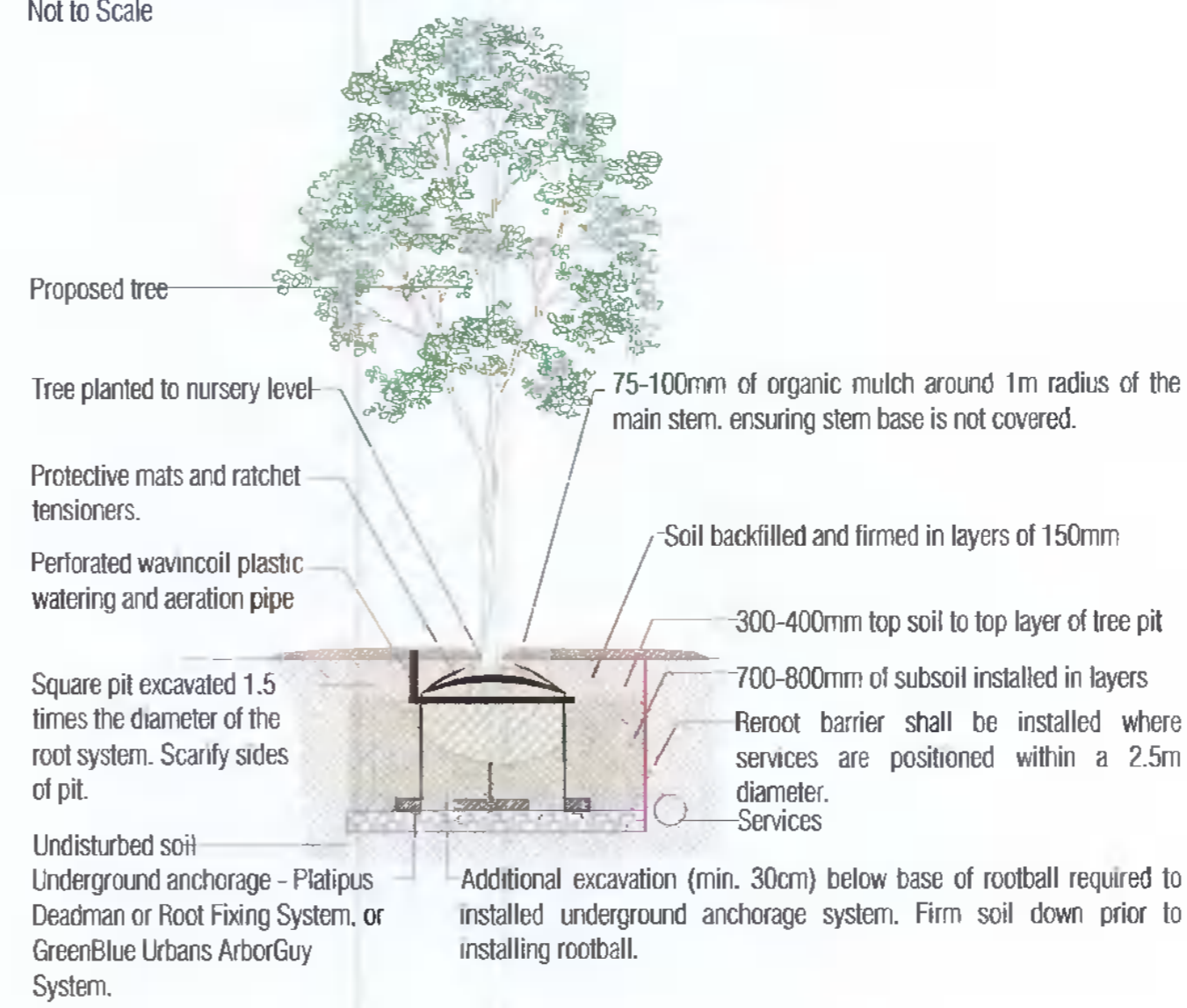
Square planting pit shall be large enough to accommodate tree roots. Pit to be backfilled with a mix of topsoil, planting compost and polymer granular. The bottom and sides of pit to be broken up by forking prior to planting.

2 pressure impregnated timber stakes connected at top with crossbar to minimise vandalism (min. 100mm dia.) removed after four years

Specimen Tree to Landscape Architects Specification

Detail 2: Tree Planting Underground Guying for large semi mature specimen trees

Not to Scale



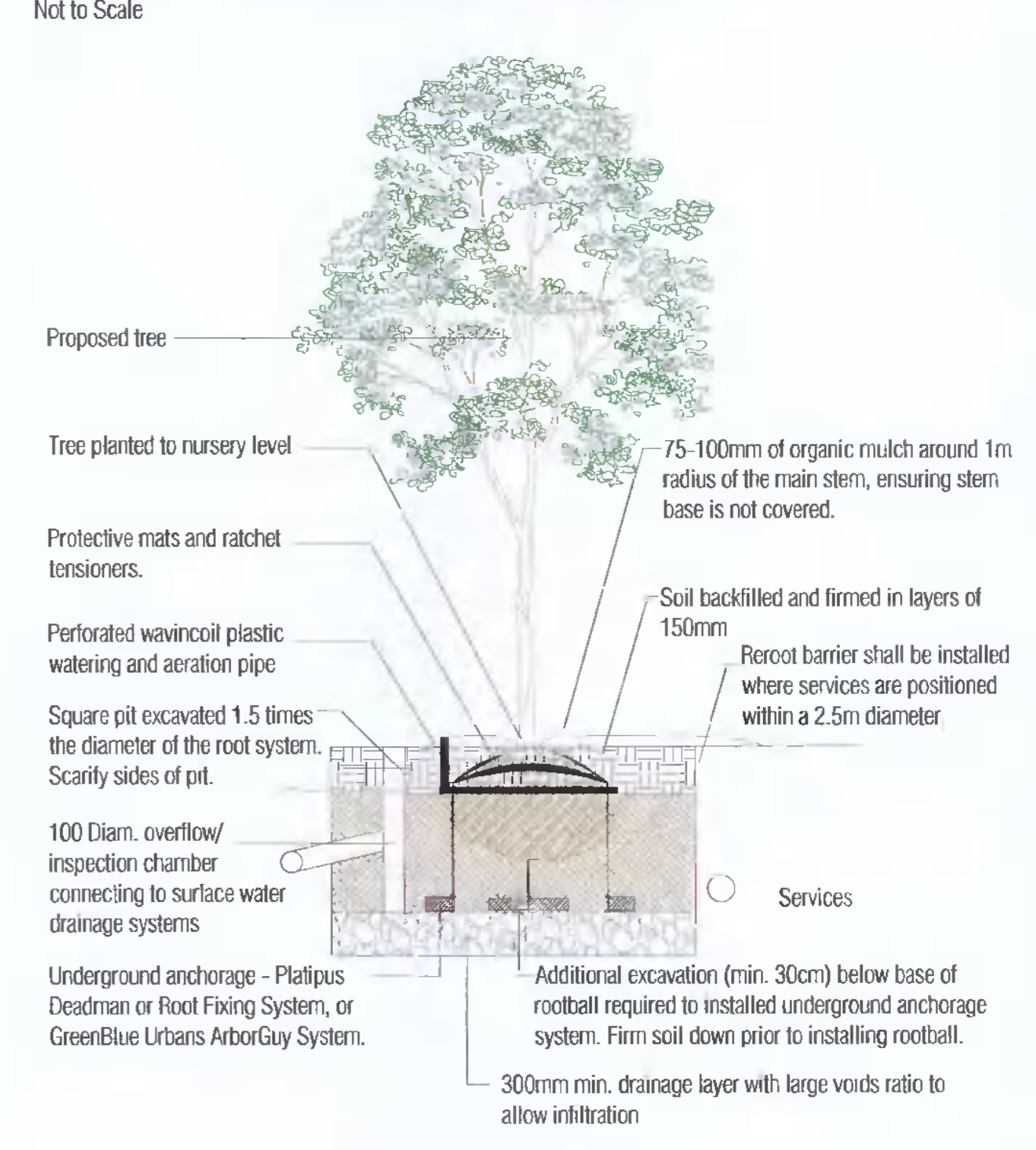
Tree planting specification

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 heated 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 - 1000L / Tree/ Month.

Typical sunken tree pit section detail for tree pits near hard landscape areas

Not to Scale



Landscape Notes:

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 18 months of establishment maintenance. Any trees and shrubs dying, damaged or removed shall be replaced in the following planting season with plant of similar size and species.

Woodland Planting Mix

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 is approximate 330 no. of plants (110 Sqm) shall be quantified post construction.

Woodland mix (60%)

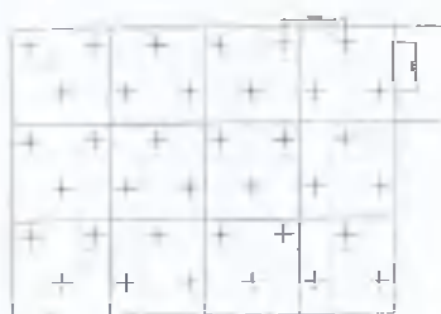
Specimen varieties	specification	% mix	Size	Qty
Corylus avellana (Hazel)	b/r (1+1)	10%	60-90cm	33
Sorbus acuparia (Rowan)	b/r (2+0)	5%	90-120cm	17
Crateagus monogyna (Whitethorn)	b/r (1+1)	5%	60-90cm	17
Sambucus nigra (Elder sp.)	b/r (0+1)	5%	60-90cm	17
Malus sylvestris (Wild Apple)	b/r (1+1)	5%	90-120cm	17
Euonymus europaeus (Feg Bush)	b/r (1+1)	10%	60-90cm	33
Ilex aquifolium (Holly)	container	10%	2ltr	33
Rosa canina (Dog Rose)	b/r (1+1)	5%	30-40cm	17
Viburnum opulus (Guelder Rose)	b/r (1+1)	5%	60-90cm	17

Herb layer planting (40%)

Specimen varieties	specification	% mix	Size	Qty
Hyacinthoides (Bluebells)	container	5%	3ltr	17
Anemone nemorosa (Wood anemone)	container	5%	3ltr	17
Primula vulgaris (Primrose)	container	5%	3ltr	17
Viola riviniana (Dog Violet)	container	5%	3ltr	17
Dryopteris affinis (Male Fern)	container	5%	3ltr	17
Polystichum setiferum (Shield Fern)	container	5%	3ltr	17
Digitalis purpurea (Fox Glove)	container	5%	3ltr	17
Allium ursinum (Ramsoms)	container	5%	3ltr	17

Wildlife flower mix annuals and perennials (Pollinator Mix) 1kg/ 500 square meter

3 per square meter



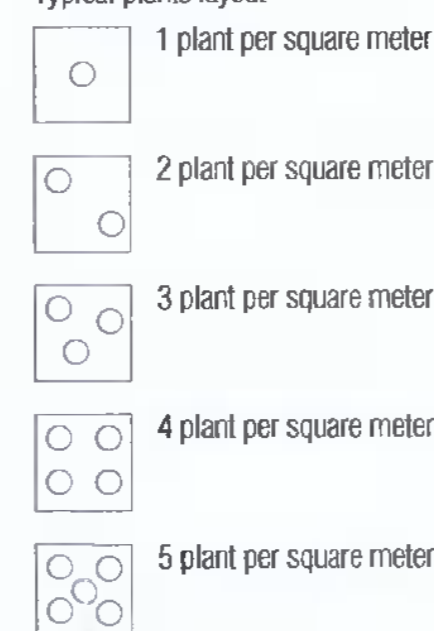
Ornamental Planting List Mix 1

Species	specification	size	%mix
Bergenia 'Harzkristall'	5/sqm cg	2L	10%
Calimargrostis 'Karl Foerster'	3/sqm cg	3L	10%
Carex 'Evergold'	5/sqm cg	2L	10%
Euonymus 'emerald Gaiety'	5/sqm cg	3L	10%
Hydrangea 'Limelight'	1/sqm cg	10L	10%
Nepeta 'Walkers Low'	5/sqm cg	2L	15%
Pachysandra 'Green Carpet'	5/sqm cg	2L	10%
Penstemon 'Apple Blossom'	5/sqm cg	3L	15%
Pittosporum 'Tom Thumb'	3/sqm cg	5L	10%

Ornamental Planting List Mix 2

Species	specification	size	%mix
Anemone 'Honore Jobert'	5/sqm cg	2L	5%
Cornus 'Elegantissima'	2/sqm cg	5L	15%
Ilex 'Silver Queen'	1/sqm cg	10L	10%
Mahonia 'Wintersun'	1/sqm cg	5L	10%
Miscanthus 'Purpurascens'	3/sqm cg	2L	10%
Osmanthus burkwoodii	1/sqm cg	10L	10%
Rudbeckia 'Goldstrum'	5/sqm cg	2L	15%
Viburnum davidii	3/sqm cg	3L	15%
Liberia grandiflora	4/Sqm cg	2L	10%

Typical plants layout



Proposed bulb planting mixes

Bulb Mixture Breda

A bee attracting mixture flowering from February to April, flowering occurs in two phases. In February to March a flood of Yellow and soft lilac species crocuses, followed by March through till April by a colourful mix of specie tulips muscaries and anemones. Mowing Advice From End of May onwards. Height 10- 25 cm, Colour advice 350 bulbs per m2 .

Bulb Mixture Floriade

This mixture is very successful with a flowering period from February until the end of June. It flowers in three phases. In February to March a sea of mixed yellow Daffodils. From March to April a mix of later flowering daffodil and red specie tulip. from may through to the end of June purple Allium. Mowing Advice From July onwards. Height 30- 80 cm, Colour advice - 120 bulbs per m2

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	