

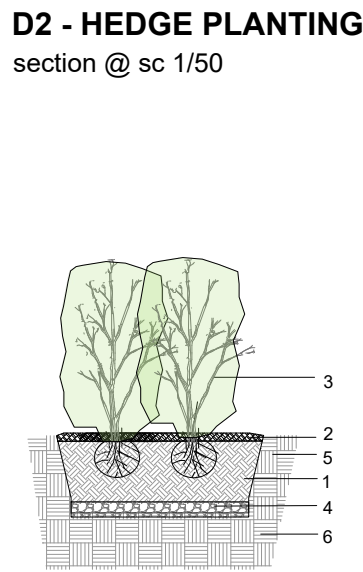
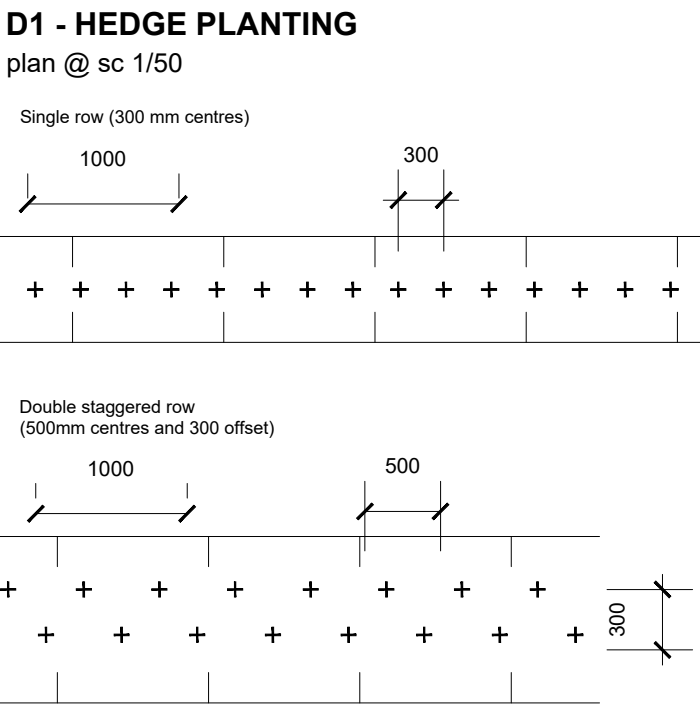
BARNHILL GARDEN VILLAGE
Green Infrastructure Masteplan

PLANTING SSPECIFICATION

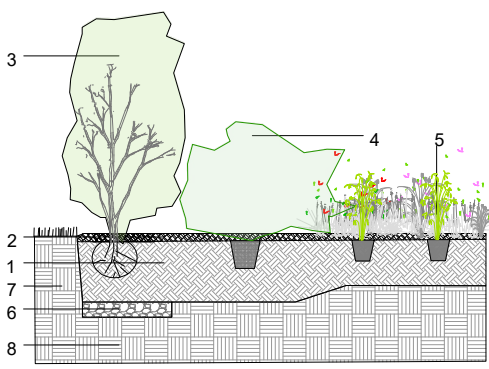
TREES			
Street / Avenue Trees	Scientific name	Common name	Size
Ac	<i>Acer Campestre 'elsrijk'</i>	Field maple	rb, 4x trpt 20-25cm girth
Bp	<i>Betula pubescens *</i>	Downy Birch	rb, 4x trpt 20-25cm girth
Gb	<i>Ginkgo biloba</i>	Maidenhair tree	rb, 4x trpt 20-25cm girth
Ls	<i>Liquidamber styraciflua</i>	Sweetgum	rb, 4x trpt 20-25cm girth
Ph	<i>Platanus x hispanica</i>	London Plane	rb, 4x trpt 20-25cm girth
Pc	<i>Pyrus calleryana 'Chanticleer'</i>	Ornamental Pear	rb, 4x trpt 20-25cm girth
Sa	<i>Sorbus aria majestica</i> ^A	Whitebeam	rb, 4x trpt 20-25cm girth
Tc	<i>Tilia Cordata 'Greenspire'</i> ^A	Small leaved lime	rb, 4x trpt 20-25cm girth
Street Trees on front gardens			
Code	Scientific name	Common name	Size
Ac	<i>Acer Campestre 'elsrijk'</i>	Field maple	rb, 4x trpt 12-14cm girth
Bp	<i>Betula pubescens</i> ^A	Downy Birch	rb, 4x trpt 12-14cm girth
Gb	<i>Ginkgo biloba</i>	Maidenhair tree	rb, 4x trpt 12-14cm girth
Ls	<i>Liquidamber styraciflua</i>	Sweetgum	rb, 4x trpt 12-14cm girth
Pc	<i>Pyrus calleryana 'Chanticleer'</i>	Ornamental Pear	rb, 4x trpt 12-14cm girth
Sa	<i>Sorbus aria majestica</i> ^A	Whitebeam	rb, 4x trpt 12-14cm girth
Rain Gardens			
Code	Scientific name	Common name	Size
Ar	<i>Acer rubrum</i>	Red maple	rb, 3x trpt 14-18cm girth
Ag	<i>Alnus glutinosa</i> ^A	Alder	rb, 3x trpt 14-18cm girth
Bpe	<i>Betula pendula</i> ^A	Birch	rb, 3x trpt 14-18cm girth
Bn	<i>Betula nigra</i> ^A	River Birch	rb, 14-18cm gt.
Ca	<i>Corylus avellana</i> ^A	Hazel	rb, 3x trpt 14-18cm girth
Opa	<i>Quercus palustris</i>	Spanish Oak	rb, 14-18cm gt.
Can	<i>Comus amomum</i>	Silky dogwood	c/g 20L, 1m tall
Vo	<i>Viburnum opulus</i> ^A	Eu. cranberry bush	c/g 20L, 1m tall
Wetland			
Code	Scientific name	Common name	Size
Gb	<i>Salix babingtonia</i> ^A	Willow	rb, 3x trpt 14-18cm girth
Sc	<i>Salix cinerea</i> ^A	Grey willow	rb, 3x trpt 14-18cm girth
Sp	<i>Salix pentandra</i>	Bay willow	rb, 3x trpt 14-18cm girth
Parkland			
Code	Scientific name	Common name	Size
Ah	<i>Aesculus hippocastanum</i>	Horse Chestnut	rb, 4x trpt 20-25cm girth
Au	<i>Arbutus unedo</i> ^A	Strawberry tree	m/s, c/g 50L, 3.5m tall
Bj	<i>Betula Jaquimontii</i>	Himalayan Birch	m/s, c/g 50L, 3.5m tall
Bpe	<i>Betula pendula</i> ^A	Silver Birch	rb, 3x trpt 14-18cm girth
Bp	<i>Betula pubescens</i>	Downy Birch	rb, 3x trpt 14-18cm girth
Ca	<i>Corylus avellana</i> ^A	Hazel	rb, 3x trpt 14-18cm girth
Cm	<i>Crataegus monogyna</i> ^A	Hawthorn	m/s, c/g 50L, 3.5m tall
Fs	<i>Fagus sylvatica</i>	Beech	rb, 3x trpt 14-18cm girth
Fs	<i>Fagus sylvatica purpurea</i>	Purple Beech	rb, 3x trpt 14-18cm girth
Ps	<i>Pinus sylvestris</i> *	Scots pine	rb, 4x trpt 20-25cm girth
Pt	<i>Populus tremula</i> *	Aspen	rb, 4x trpt 20-25cm girth
Pcn	<i>Prunus Cerasifera 'Ingra</i>	'Black Cherry Plum	rb, 4x trpt 20-25cm girth
Prs	<i>Prunus sargentii</i> 'Rancho	Sargent's Cherry	rb, 4x trpt 20-25cm girth
Pa	<i>Prunus avium</i> ^A	Cherry	rb, 4x trpt 20-25cm girth
Psp	<i>Prunus spinosa</i> ^A	Blackthorn	rb, 3x trpt 14-18cm girth
Op	<i>Quercus petraea</i> *	Sessile Oak	rb, 4x trpt 20-25cm girth
Or	<i>Quercus robur</i> *	Oak	rb, 4x trpt 20-25cm girth
Sn	<i>Sambucus nigra</i> ^A	Elder	m/s, c/g 50L, 3.5m tall
Sa	<i>Sorbus aria majestica</i> ^A	Whitebeam	rb, 4x trpt 20-25cm girth
Sau	<i>Sorbus aucuparia</i> ^A	Rowan	m/s, c/g 50L, 3.5m tall
Fruit Trees			
Code	Scientific name	Common name	Size
Pch	<i>Pyrus chantiller</i>	Pyrus tree	rb 8-10cm gt.
Md	<i>Malus domestica</i> ^A	Apple tree	rb 8-10cm gt.
Pd	<i>Prunus domestica</i>	Common Plum	rb 8-10cm gt.
Pa	<i>Prunus avium</i> ^A	Cherry tree	rb 8-10cm gt.
Podium / Planters Trees			
Code	Scientific name	Common name	Size
Si	<i>Sorbus intermedia</i> 'Brouwers'	Swedish Whitebeam	rb, 3x trpt 18-20 cm girth
Ag	<i>Acer griseum</i>	Paperbark maple	m/s, c/g 50L, 3.5m tall
Au	<i>Arbutus unedo</i> ^A	Strawberry tree	m/s, c/g 50L, 3.5m tall
Bj	<i>Betula Jaquimontii</i>	Himalayan Birch	m/s, c/g 50L, 3.5m tall
Bpe	<i>Betula pendula</i> ^A	Silver Birch	rb, 3x trpt 14-18cm girth
Cm	<i>Crataegus monogyna</i> ^A	Hawthorn	m/s, c/g 50L, 3.5m tall
Mh	<i>Magnolia 'Heaven Scent'</i>	Magnolia 'Heaven Scent'	m/s, c/g 50L, 3.5m tall
Rt	<i>Rhus typhina</i>	Staghorn sumac	m/s, c/g 50L, 3.5m tall
Sn	<i>Sambucus nigra</i> ^A	Elder	m/s, c/g 50L, 3.5m tall
Sau	<i>Sorbus aucuparia</i> ^A	Rowan	m/s, c/g 50L, 3.5m tall
Boundary / Screening Trees			
Code	Scientific name	Common name	Size
Bpe	<i>Betula pendula</i> *	Silver Birch	rb, 3x trpt 14-18cm girth
Cm	<i>Crataegus monogyna</i> ^A	Hawthorn	m/s, c/g 50L, 3.5m tall
Ha	<i>Ilex aquifolium</i> ^A	Holly	rb, 3x trpt 14-18cm girth
Psp	<i>Prunus spinosa</i> ^A	Blackthorn	rb, 3x trpt 14-18cm girth
Op	<i>Quercus petraea</i> ^A	Sessile Oak	rb, 4x trpt 20-25cm girth
Or	<i>Quercus robur</i> *	Oak	rb, 4x trpt 20-25cm girth
Qrf	<i>Quercus Robur Fastigiata</i> *	Cypress Oak	rb, 3x trpt 18-20cm girth 5m tall
Ornamental parkland / woodland Shrubs			
Common Name	Species Name	Specification	Code
Hydrangea	<i>Hydrangea paniculata</i>	c/g 5L	Hp
Hawthorn	<i>Crataegus monogyna</i> ^A	c/g 5L	Cm
Elder	<i>Sambucus nigra</i> ^A	c/g 5L	Sn
Myrtle	<i>Myrtus communis</i> ^A	c/g 5L	Mc
Common juniper	<i>Juniperus communis</i> ^A	c/g 5L	Jc

* Species Native to Ireland
^A Plants for Pollinators
These plants will provide nectar and pollen for bees and the many other types of pollinating insects.
All selected species have an ornamental, native biodiversity or pollinator-stimulating purpose. Selection is based on the "All Ireland pollinator Plan".

PLANTING DETAILS

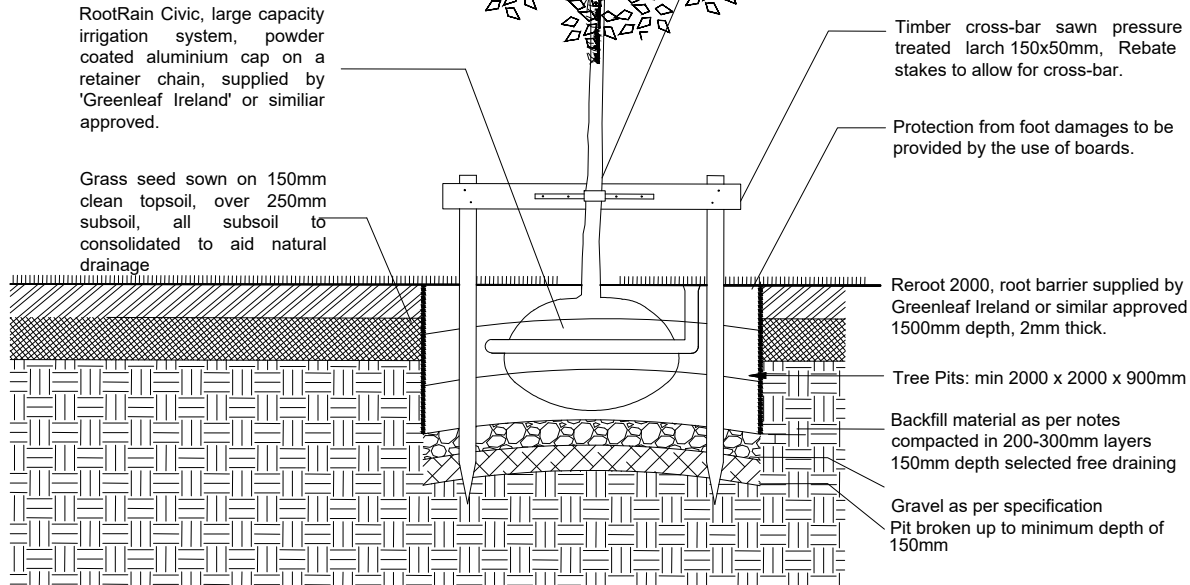


D3 - MULTI-STRATUM PLANTING MIXTURE DETAIL
section @ sc 1/50



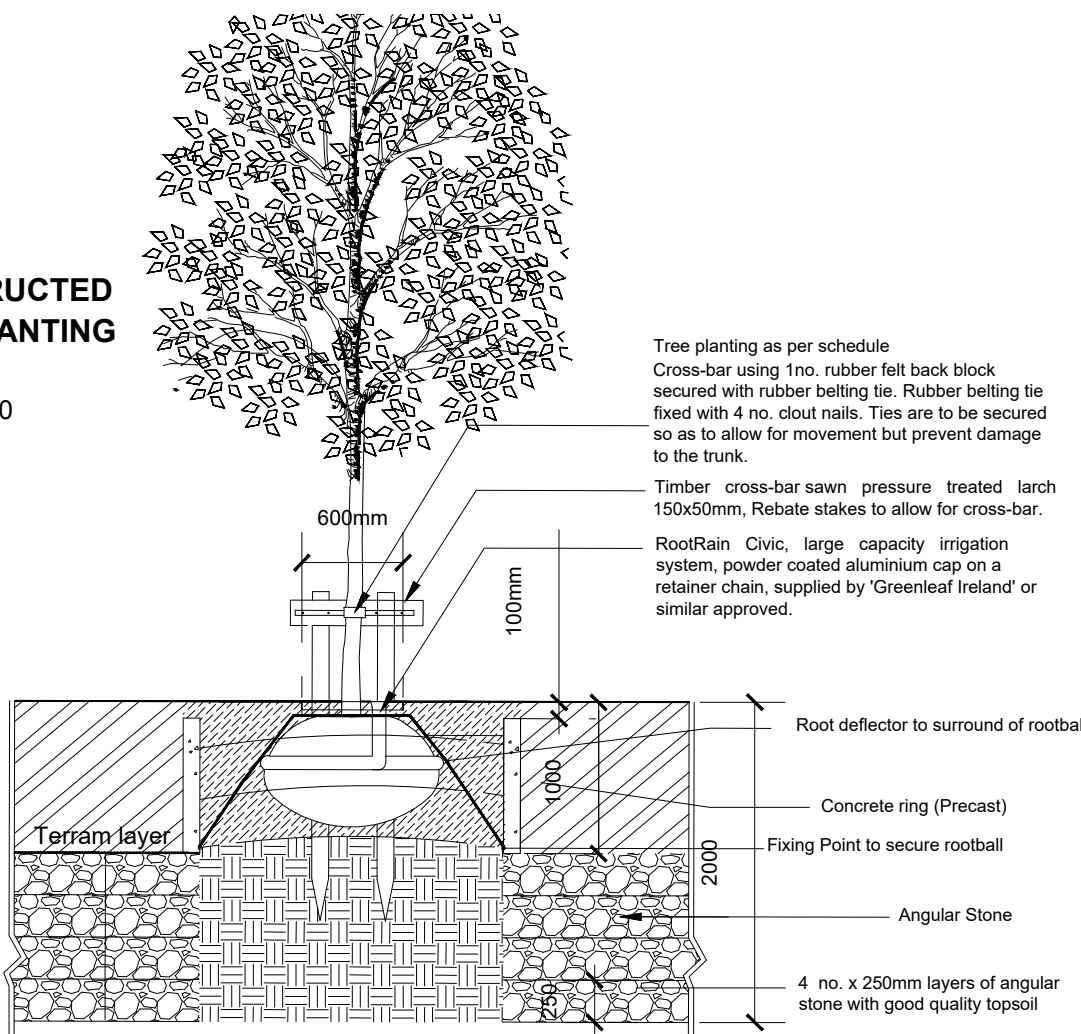
- Good quality multi-purpose topsoil to depths as shown and in accordance with BS 3882 (stratus min 450mm); top of soil level to be 75mm below top of kerb to contain bark mulch (e.g. Sieraden Flora or similar and approved)
- Bark mulch to 75mm
- Selected Hedge Plants - Root Ball rb 80-100cm, at 500mm centres
- Gravel drainage layer
- Loosened subsoil, base and sides broken up
- Subsoil

D4 - TREE PIT PLANTING MIXTURE DETAIL
section @ sc 1/50



- Good quality multi-purpose topsoil to depths as shown and in accordance with BS 3882 (stratus min 300mm, shrubs min 450mm); top of soil level to be 75mm below top of kerb to contain bark mulch (e.g. Sieraden Flora or similar and approved)
- Bark mulch to 75mm
- Root Ball Yew Hedge - *Taxus baccata*, rb 80-100cm, at 450mm centres
- Shrub planting
- Perennial planting
- Gravel drainage layer
- Loosened subsoil, base and sides broken up
- Subsoil

D5 - CONSTRUCTED TREE PIT PLANTING DETAIL
section @ sc 1/50



- Tree planting as per schedule
- Cross-bar using 1no. rubber felt back block secured with rubber belling tie. Rubber belling tie fixed with 4no. clout nails. Ties are to be secured so as to allow for movement but prevent damage to the trunk.
- Timber cross-bar sawn pressure treated larch 150x50mm. Rebate stakes to allow for cross-bar.
- Reroct 2000, root barrier supplied by Greenleaf Ireland or similar approved, 1500mm depth, 2mm thick.
- Tree Pits: min 2000 x 2000 x 900mm
- Backfill material as per notes compacted in 200-300mm layers 150mm depth selected free draining
- Gravel as per specification Pit broken up to minimum depth of 150mm

Ornamental Planting Mixtures references



Parkland Trees references



Wetland Trees references



Podium Trees references



+ 087 910 1600
+ info@gannonandassociates.ie
+ Terenure Enterprise Centre
17 Rathfarnham Road, D6W

gannon + associates

G / 27/06/22	Green Infrastructure Masterplan PS/AP / JG		
REV DATE	REVISION	DRAWN	CHECKED
CLIENT			
Alanna Homes & Alcove Ireland Four Ltd.			
PROJECT TITLE			
Barnhill Garden Village - Proposed development at Barnhill, Clonsilla, Co.Dublin			
PROJECT ARCHITECT			
CDP Architects / CWOB Architects / Delphi Design			
SHEET TITLE			
Green Infrastructure Masterplan			
SHEET NO	21154_LP_G_GIM2	SHEET SIZE	A1
SCALE	1/50	REVISION	G
DATE	June 2022	STAGE	Planting Stage