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1777 sq.m
c. 230 sp.(total)

The map displays the distribution of three bird species: Palearctic (Pa), Boreal (Bo), and Boreal (Bpe). The species are represented by black dots, and their distribution is overlaid on a grid. A red line indicates a boundary, and a yellow shaded area is present at the bottom of the map.

— 100 —

3182 sq.m
c. 410 sp. (total)

The diagram illustrates a tree support system. A tree is shown growing from a subsoil bed. The tree is supported by a crossbar, which is secured to stakes. The crossbar is adjustable and fixed to the tree. The tree is planted in a subsoil bed, which is composed of a gravel drainage layer, a loose subsoil base, and sides broken up. The tree is also supported by a tree rootball. The tree is planted in a subsoil bed, which is composed of a gravel drainage layer, a loose subsoil base, and sides broken up. The tree is also supported by a tree rootball.

Labels in the diagram include:

- Crossbar - securely fixed to stakes
- Adjustable tree tie - securely fixed to crossbar
- 1.8 high Round stake, Ø75mm
- Bark mulch
- Loosened subsoil base and sides broken up
- Tree rootball
- Gravel drainage layer
- Good quality topsoil to BS 3882 and slow release fertiliser (e.g. Sierrablen Flora or similar or approved)
- Subsoil

Single row (300 mm centres)

The diagram shows a single horizontal row of reinforcement bars. There are 15 vertical tick marks representing the bars. Above the row, a dimension line indicates a distance of 1000 mm between the 5th and 9th bars. Another dimension line indicates a distance of 300 mm between the 9th and 10th bars, representing the spacing between bars.

Double staggered row (500mm centres and 300 offset)

The diagram shows two horizontal rows of reinforcement bars. The top row has 15 bars, and the bottom row has 15 bars. The bars in the bottom row are offset from the bars in the top row. Above the top row, a dimension line indicates a distance of 1000 mm between the 5th and 9th bars. Another dimension line indicates a distance of 500 mm between the 9th bar of the top row and the 10th bar of the bottom row. A vertical dimension line on the right side indicates a vertical offset of 300 mm between the two rows.

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

The diagram shows a top-down view of a square planting pit. The pit is filled with a green, textured material representing soil and compost. A black crossbar is positioned at the top of the pit, connecting two vertical black lines representing pressure impregnated timber stakes. A line from the text above points to the stakes. The pit is surrounded by a grey area representing the ground.

Specimen Tree to Landscape
Architects Specification

Tree Planting (c1141)				
Oak/Birch Boundary				
Common Name	Species Name	Specification	Code	
Sessile Oak	<i>Quercus robur</i> *	rb 14-18cm gtr	Qr	
Pedunculated Oak	<i>Quercus petraea</i> *	rb 14-18cm gtr	Qp	
Dowry Birch	<i>Betula pubescens</i> *	rb 14-18cm gtr	Bp	
Holly	<i>Ilex aquifolium</i> *	rb 14-18cm gtr	la	
Silver Birch	<i>Betula pendula</i> *	rb 14-18cm gtr	Bpe	
Gorse/Pine Boundary				
Common Name	Species Name	Specification	Code	
Gorse	<i>Ulex europaeus</i> *	rb 15-20cm gtr	G	
Scots pine	<i>Pinus sylvestris</i> *	180 L 25-30 girth	Ps	
Dowry Birch	<i>Betula pubescens</i> *	rb 14-18cm gtr	Bp	
Silver Birch	<i>Betula pendula</i> *	rb 14-18cm gtr	Bpe	
Courtyards/Podiums				
Common Name	Species Name	Specification	Code	
Ornamental pear	<i>Pyrus calleryana</i> 'Chandler'*	rb 15-20cm gtr	Pc	
Small Weiborn Pear	<i>Sorbus intermedia</i> (Browner)	rb 15-20cm gtr	Sp	
Wild Cherry	<i>Prunus avium</i> *	rb 15-20cm gtr	Pav	
Turkish Hazel	<i>Corylus colurna</i>	rb 15-20cm gtr	Cc	
Silver Birch	<i>Betula pendula</i> *	rb 15-20cm gtr	Bp	
Plantain Maple	<i>Acer platanoides</i>	rb 15-20cm gtr	Am	
Staghorn Sumac	<i>Rhus typhina</i>	rb 15-20cm gtr	Rt	
Magnolia 'Heaven sent'	<i>Magnolia 'Heaven sent'</i>	rb 15-20cm gtr	Mh	
Strawberry Tree	<i>Arbutus unedo</i> *	rb 15-20cm gtr	Au	
Parkland / Woodland trees				
Code	Scientific name	Common Name	Size	
Bpe	<i>Arbutus unedo</i> *	Strawberry Tree	rb, c/s 50L 3-5m tall	
Bp	<i>Betula pendula</i> *	Silver Birch	rb, 3x tpt 14-18cm gtr	
Pt	<i>Populus tremula</i>	Aspen	rb, 4x tpt 20-25cm gtr	
Pl	<i>Prunus Cerasifera</i> 'nigra	Black Cherry Plum	rb, 4x tpt 20-25cm gtr	
Ch	<i>Chamaecyparis</i>	Cherry	rb, 3x tpt 14-18cm gtr	
Pp	<i>Prunus spinosa</i> *	Blackthorn	m/s, c/s 50L 3-5m tall	
Qp	<i>Quercus petraea</i> *	Sessile Oak	rb, 4x tpt 20-25cm gtr	
Qr	<i>Quercus robur</i> *	Oak	rb, 4x tpt 20-25cm gtr	
Ss	<i>Sorbus aucuparia</i> *	Rain	m/s, c/s 50L 3-5m tall	
Street trees				
Common Name	Species Name	Specification	Code	
Small leaved lime	<i>Tilia cordata</i> 'gremesiae'*	rb 20-25cm gtr	Tc	
Sweetgum	Liquidambar styraciflua	rb 20-25cm gtr	Ls	
Mandarinair tree	<i>Quercus ilicifolia</i>	rb 20-25cm gtr	Ql	
Wild Rose	<i>Rosa sira</i> 'Majestas'*	rb 20-25cm gtr	Ra	
Fragilante Oak	<i>Quercus robur</i> 'fastigiata'*	rb 20-25cm gtr	Qf	
Rain gardens				
Common Name	Species Name	Specification	Code	
Willow	<i>Salix babingtonii</i> *	rb 14-18cm gtr	Sp	
Alder	<i>Alnus glabripes</i> *	rb 14-18cm gtr	Ag	
Hazel	<i>Corylus avellana</i> *	rb 14-18cm gtr	Ca	
River Birch	<i>Betula nigra</i> *	rb 14-18cm gtr	Bn	
Silver Birch	<i>Betula pendula</i> *	rb 14-18cm gtr	Bpe	
Spanish Oak	<i>Quercus palustris</i>	rb 14-18cm gtr	Qpa	
Silky dogwood	<i>Cornus amomum</i>	c/s 20L 1m tall	Co	
Eur. cranberry bush	<i>Viburnum opulus</i>			
Roof gardens				
Common Name	Species Name	Specification	Code	
Willow	<i>Betula nigra</i>	c/s 50L 3-5m tall	Bn	
Rocks Mountain Juniper	<i>Juniperus squarrolum</i>	c/s 50L 3-5m tall	Js	
Paperbark Maple	<i>Acer griseum</i>	c/s 50L 3-5m tall	Ag	

Large Shrubs and herbaceous planting for Oak/Birch Boundary (450mm top soil depth) all c			
Common Name	Species Name	Specification	Code
Broom	<i>Cytisus scoparius</i> ^A	bfr, 2x, 1.2m	-
Hawthorn	<i>Crataegus monogyna</i> ^A	bfr, 2x, 1.2m	-
Foxglove	<i>Digitalis purpurea</i> ^A	c/g 2L	-
Myrtle	<i>Myrtus communis</i> ^A	c/g 2L	-
Hard Fern	<i>Blechnum spicant</i>	c/g 2L	-

Common Juniper	<i>Juniperus communis</i> *	c/g 2L	-
Gorse	<i>Ulex europaeus</i> ^{1A}	c/g 2L	-
Heather	<i>Calluna vulgaris</i> ^{1A}	c/g 2L	-
Molina caerulea	Purple Moor-grass	c/g 2L	-
Hawthorn	<i>Crataegus monogyna</i> ^{1A}	b/r, 2x, 1.2m	-
Bell Heather	<i>Erica cinerea</i> ²	c/g 2L	-

Hydrangea	<i>Hydrangea paniculata</i>	c/g 5L	Hp
Hawthorn	<i>Crataegus monogyna</i> ^{1A}	c/g 5L	Cm
Elder	<i>Sambucus nigra</i> ^{1A}	c/g 5L	Sn
Myrtle	<i>Myrtus communis</i> ^{1A}	c/g 5L	Mc
Common juniper	<i>Juniperus communis</i>	c/g 5L	Jc

Catnip	<i>Nepeta catapacta</i>	cig 2L 20-30cm alt.
Rosemary	<i>Rosmarinus officinalis</i> **	cig 2L 20-30cm alt.
Sage	<i>Salvia officinalis</i>	cig 2L 20-30cm alt.
Spanish Lavender	<i>Laurencia stoechas</i> *	cig 2L 20-30cm alt.
Fox Glove	<i>Delphinium purpurea</i> *	cig 2L 20-30cm alt.
Purple Coneyflower	<i>chinacea purpurea</i>	cig 2L 20-30cm alt.
Blue Lungwort	<i>Pulmonaria officinalis</i>	cig 2L 20-30cm alt.
Vervain	<i>Veronica boreanensis</i> *	cig 2L 20-30cm alt.
Geranium	<i>Geranium 'Doronicum'</i>	cig 2L 20-30cm alt.
Common periwinkle	<i>Viola minor</i>	cig 2L 20-30cm alt.
Beardy Coneyflower	<i>Cotoneaster dameri</i>	cig 2L 20-30cm alt.
Fathergrass	<i>Tipa tenuissima</i>	cig 2L 20-30cm alt.
Tufted	<i>Carex ovestri</i> <i>Fluitale</i>	cig 2L 20-30cm alt.
Luzula	<i>Luzula sylvatica</i>	cig 2L 20-30cm alt.
Sedge	<i>Deschampsia polydactyla</i>	cig 2L 20-30cm alt.
Chinese silver grass	<i>Miscanthus sinensis</i>	cig 2L 20-30cm alt.
Moor grass	<i>Molinia karl Foerster</i>	cig 2L 20-30cm alt.

Star Jasmine	<i>Trachelospermum jasminoides</i>	c/g 3L 50-60cm ht.	Tj
Climbing hydrangea	<i>Hydrangea anomala</i>	c/g 2L 50-60cm ht.	Ha
White Wisteria	<i>Wisteria Floribunda</i> 'Alba'	c/g 2L 50-60cm ht.	Wf

Water-plantain	<i>Alisma plantago-aquatica</i>
Water sedge	<i>Carex aquatilis</i>
Greater pond-sedge	<i>Carex riparia</i>
Bottle sedge	<i>Carex rostrata</i>
Spikerush	<i>Eleocharis palustris</i>
Water horsetail	<i>Equisetum fluviatile</i>
Yellow iris	<i>Iris pseudacorus</i>
Purple loosestrife	<i>Thrum salicaria</i>
Common reed	<i>ragmites australis</i>
Bur-reed	<i>rganium erectum</i>

Hawthorn	<i>Crataegus monogyna</i> ^A	c/g 2L 20-40cm ht.
Blackthorn	<i>Prunus spinosa</i> ^A	c/g 2L 20-40cm ht.
Holly	<i>Ilex aquifolium</i> ^A	c/g 2L 20-40cm ht.
Dog rose	<i>Rosa canina</i> ^A	c/g 2L 20-40cm ht.

Wild Flower Meadow - 802 sq.m

areas would simulate NVC type MG5. Appropriate herbs for this type of meadow include:

*** Species Native to Ireland**
^ 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. based on the "All Ireland pollinator Plan".

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.

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I	18/07/22	Planting Schedule	AP	JG
H	08/06/22	Planting Schedule	AP	JG
REV	DATE	REVISION	DRAWN	CHECKED

CLIENT
Zolbury Limited

PROJECT TITLE
Proposed Strategic Housing Development, Blackglen
Road, Sandyford, Dublin 18
PROJECT ARCHITECT

OMP Architects

SHEET TITLE
Green Infrastructure Masterplan 02

SHEET NO.	SHEET SIZE
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SCALE	REVISION
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[illegible]SHD Application July 2022