Planter bed with ornamental grasses, flowering perennials and decorative multi-stemmed trees: 9.50m²

Wall greening system of stainless steel mesh to support climbing plants

Bio-diverse semi-intensive green roof: 28.31m² with gravel fire-break trims

Permeable paving (patio): 32.46m²

Grass lawn: 21.40m²

Hedgerow to enclose garden: 92 no. *Carpinus betulus* (Hornbeam) 1.00-1.20m ht. bare-root whips, bushy to base in double staggered row, with 2 planted per 500mm length.

13 no. 18-20cmg pleached C*arpinus betulus* (Hornbeam hedge-in-the-sky), planted at 1.50m centres, crowns meeting and wired together. Clear-stemmed trunks to min. 2.00m height.

5 no. 18-20cmg pleached C*arpinus betulus* (Hornbeam hedge-in-the-sky), planted at 1.50m centres, crowns meeting and wired together. Clear-stemmed trunks to min. 2.00m height.

Hedgerow to enclose garden: 48 no. *Carpinus betulus* (Hornbeam) 1.00-1.20m ht. bare-root whips, bushy to base in double staggered row, with 2 planted per 500mm length.

9 no. 18-20cmg pleached C*arpinus betulus* (Hornbeam hedge-in-the-sky), planted at 1.50m centres, crowns meeting and wired together. Clear-stemmed trunks to min. 2.00m height.

Hedgerow to enclose garden: 65 no. *Carpinus betulus* (Hornbeam) 1.00-1.20m ht. bare-root whips, bushy to base in double staggered row, with 2 planted per 500mm length.

Hedgerow to enclose garden: 70 no. *Carpinus betulus* (Hornbeam) 1.00-1.20m ht. bare-root whips, bushy to base in double staggered row, with 2 planted per 500mm length.

9 no. 18-20cmg pleached C*arpinus betulus* (Hornbeam hedge-in-the-sky), planted at 1.50m centres, crowns meeting and wired together. Clear-stemmed trunks to min. 2.00m height.

PLANTING PLAN - ROOF LEVEL
SCALE 1:100@A2

OUTLINE PLANTING PALETTE LIST & SOFT LANDSCAPE MATERIALS OUTLINE SPECIFICATION KEY

Perennial Mix P1 — **PLANTING PALETTE.** Select from the following planting palette; 2L CG plants to be planted at a density 7-9 per m²; planted at 70% ornamental grass/ground cover: 30% flowering perennials

Agapanthus spp. 2ltr.cg	*Hakonechloa macra* 2ltr.cg	*Panicum virgatum* spp.
Astilbe spp. 2ltr.cg	*Hemerocallis* spp. 2ltr.cg	*Salvia* spp. 2ltr.cg
Achillea spp. 2ltr.cg	*Kniphofia* spp. 2ltr.cg	*Sesleria autumnalis* 2ltr.cg
Allium spp. 2ltr.cg	*Lavandula angustifolia* 'Hidcote' 2ltr.cg	*Stachys byzantina* 2ltr.cg
Anemone spp. 2ltr.cg	*Libertia grandiflora* 2ltr.cg	*Stipa gigantea* 2ltr.cg
Aster spp. 2ltr.cg	*Liriope muscari* 2ltr.cg	*Tiarella cordifolia* 2ltr.cg
Agastache spp. 2ltr.cg	*Luzula nivea* 2ltr.cg	*Verbena bonariensis* 2ltr.cg
Asarum europaeum 2ltr.cg	*Luzula sylvatica* 2ltr.cg	*Osmunda regalis* 2ltr.cg
Bergenia cordifolia 2ltr.cg	*Lysimachia* spp 2ltr.cg	*Polystichum setiferum* 2ltr.cg
Calamagrostis spp. 2ltr.cg	*Narcissus* spp. 2ltr.cg	*Asplenium scolopendrium* 2ltr.cg
Dryopteris wallichiana 2ltr.cg	*Nepeta* spp. 2ltr. cg	*Dryopteris felix-mas* 2ltr.cg
Eremerus x isabellina p9	*Rudbeckia* spp. 2ltr.cg	*Athyrium filix-femina* 2ltr.cg
Galanthus nivalis p9		*Maleuccia struthiopteris* 2ltr.cg

Perennial Mix P2 — **PLANTING PALETTE:** Select from the following planting palette; 2L CG plants to be planted at a density 5-7 per m²; planted at 70% ornamental grass/ground cover: 30% flowering perennials

Astilbe spp. p9	*Geum nivale* p9	*Melic ciliata*, p9
Achillea spp. p9	*Hemerocallis* spp. p9	*Persicaria* spp. p9
Adiantum aleuticum 2L	*Kniphofia* spp. p9	*Phlomis russeliana* p9
Allium spp. p9	*Ligularia* spp. p9	*Rudbeckia* spp. 2ltr.cg
Agapanthus spp. p9	*Liatris* spp. p9	*Sesleria autumnalis* p9
Aster spp. p9	*Libertia formosa* p9	*Sesleria nitida*, p9
Bergenia cordifolia p9	*Luzula nivea* p9	*Verbena bonariensis* p9
Darmera peltata p9	*Luzula sylvatica* p9	*Nerine, Eremerus, Viola*

Perennial Mix P3 — **PLANTING PALETTE:** Select from planting palette below; 2L CG plants to be planted at a density 5-7 per m²; planted at 70% ornamental grass/ground cover: 30% flowering perennials

Agastache spp. 2ltr.cg	*Hakonechloa macra* 2ltr.cg	*Narcissus* spp. 2ltr.cg
Astilbe spp. 2ltr.cg	*Helleborus foetidus* 2ltr.cg	*Nepeta x fassenii* 2ltr.cg
Blechnum spicant 2ltr.cg	*Hemerocallis* spp. 2ltr.cg	*Rudbeckia* spp. 2ltr.cg
Carex sylvatica 2ltr.cg	*Heuchera villosa* 2ltr.cg	*Persicaria bistarta* 2ltr.cg
Convollaris majalis 2ltr.cg	*Hyacinthoides* spp. 2ltr.cg	*Persicaria amplexicaulis* 2ltr.cg
Dianella nigra 2ltr.cg	*Iris sibirica* spp. 2ltr.cg	*Polystichum setiferum* 2ltr.cg
Digitalis spp. 2ltr.cg	*Kniphofia* spp. 2ltr.cg	*Pulmonaria officinalis* 2ltr.cg
Dipsacus fullonum 2ltr.cg	*Liatris spicata* 2ltr.cg	*Sesleria autumnalis* 2ltr.cg
Dryopteris filix-max 2ltr.cg	*Libertia grandiflora* 2ltr.cg	*Stipa gigantea* 2ltr.cg
Echinacea purpurea 2ltr.cg	*Luzula nivea* 2ltr.cg	*Sedum x telephium* 2ltr.cg
Foeniculum vulgare 2ltr.cg	*Luzula sylvatica* 2ltr.cg	*Verbena bonariensis* 2ltr.cg
Geranium spp. 2ltr.cg	*Molinia caerulea* 2ltr.cg	*Veronica veronicastrum* 2ltr.cg

Perennial Mix P4 — **TYPICAL 'BIODIVERSE' OR SEMI-INTENSIVE GREEN ROOF PLANTING:** Select from planting palette below, 5-6cm plug planting or seed mix 'Bauder Flora 5' for city rooftops, with a high % of annuals for colour. Specification to be confirmed by green roof supplier for approval by landscape architect. 150-200mm biodiverse lightweight substrate with 'Bauder DSE40' combined water storage/drainage board.

Cerastium tomentosum. 2ltr.cg	*Daucus carota* ssp. *maritimus*	*Muscari*
Digitalis ferruginea. 2ltr.cg	*Dianthus alpinus, deltoides, carthusian, caesius, plumaris*	*Nepeta fasseni*
Fragaria vesca 2ltr.cg	*Echium vulgare*	*Origanum vulgaris*
Helleborus niger 2ltr.cg	*Euphorbia cyparissias, myrsinitis*	*Papaver rhoeas*
Phlomis russeliana 2ltr.cg	*Festuca ovina, rubra* ssp *rubа*	*Petrorhagia saxifraga*
Saxifraga urbium 2ltr.cg	*Fragaria virids, vesca*	*Plantago coronopus, lanceolata*
Thymus serpyllum. 2ltr.cg	*Galium verum*	*Potentilla aurea, verena*
Allium sphaerocephalon 3ltr.cg, 8 no. each	*Geranium macrorrhizum, robertium, sanguineum, x cantabrigiense*	*Pilosella aurantiaca, officinarium*
Gladiolus 'The Bride' 3 ltr.cg, 8 no. each	*Geum rivale*	*Primula veris*
Lycoris squamigera 3ltr.cg, 8 no each	*Gypsophylla repens*	*Prunella vulgaris*
Mix Perennial Plug Planting	*Helianthemum nummularia*	*Rhianthos minor*
Achillea millefolium, tomentosa	*Heinanthemum num*	*Rumex acetosa*
Agrimonia eupatoria	*Hyssopus officinalis*	*Saponaria officinalis, oxymoides*
Allium schoenoprasum, moly	*Hypericum perforatum*	*Scabiosa columbaria*
Alyssum saxatile	*Inula ensifolia*	*Sanguisorba minor*
Antennaria dioica	*Iris pumila*	*Scabiosa canescens, columbaria*
Anthyllis vulneraria	*Jovibarta hirta*	*Saxifraga aizoon, arensdii, umbrosa*
Armeria maritima	*Lavandula angustifolia*	*Satureja montana*
Bellis perennis	*Lotus comiculatus*	*Sedum acre, album*
Blackstonia perfoliata	*Leontodon autumnalis, hispidus*	*Sempervivum*
Briza media	*Leucanthemum vulgare*	*Silene uniflora, vulgaris, maritima*
Campanula poscharskyana, glomerata, rotundifolia	*Linaria vulgaris*	*Thymus serpyllum, vulgaris, polytrichus*
Carex flacca	*Linum perenne*	*Trifolium pratense*
Cerastium tomentosum	*Lotus corniculatus*	*Verbascum phoenicum, nigram*
Centaurea erythrea, nigra, cyanus	*Lychnis flos-ci-culi, alpina*	*Veronica teucrium*
Clinopodium vulgare	*Knautia arvensis*	*Viola riviana, tricolour*
	Matricaria recutita	

HEAVY STANDARD TREES
Bn (River Birch) *Betula nigra* 'Heritage' 4xtr 20-25cmg, 2.00m ht. clear-stem Irish-grown tree

HEAVY STANDARD TREES
Cp (Hornbeam) *Carpinus betulus* 4xtr 18-20cmg, 2.00m ht. clear-stem, Irish-grown trees 1.50mH x 1.2mL crown with 2.00m clear-stem trunk. Crowns of trees to touch and be secured together using horticultural wire.

MULTI-STEMMED TREES AND LARGE SHRUBS: select from the following
Amelanchier canadensis, min. 50L pot, min 5 breaks 50cm from base; min width 1.80m, min height 2.50m
Arbutus unedo, min. 50L pot, min 5 breaks 50cm from base; min width 1.80m, min height 2.50m
Betula nigra 'Heritage' min. 50L pot, min 5 breaks 50cm from base; min width 1.80m, min height 2.50m
Hamamelis x intermedia 'Jelena' min. 20-25cm girth, specimen branching from 50cm; min. width 1.50m; min. height 3.00m
Magnolia stellata 'Royal Star' 50L pot, min 5 breaks 50cm from base; min width 1.80m, min height 2.50m
Parrotia persica 'Kanzan' 3.00-3.50m diameter multi-stem min. 50L pot, min 5 breaks 50cm from base; min width 1.80m, min height 2.50m

Bulb mixes B1, B2 — **BULBS:** Scatter the bulbs across the planting area and plant each where it lands, using a sturdy trowel to dig to the recommended depth for the plant. Cover with soil and gently firm around to fill any pockets of air. If planting a large group lift turf and plant underneath. Bulbs to be planted in single species groups of approx 7, 9, 11 etc.

B1 native — *Eranthus hyemalis* (Winter Aconite), *Allium ursinum* (Ramsons), *Anemone nemorosa* (Wood Anemone), *Cyclamen coum* (Eastern cyclamen), *Galanthus nivalis* (Snowdrop), *Hyacinthoides non-scripta* (Bluebell), *Leucojum aestivum* (Summer Snowflake) and *Viola riviana* (Dog Violet).

B2 exotic — *Allium* 'Mont Blanc', 'Purple Sensation', *Allium sphaerocephalon* (Ornamental Onion), *Crocus tommasinianus* 'Barr's Purple' and 'Ruby Giant', *Eremerus x isabellina* 'Cleopatra' (Foxtail Lily), *Erythornium revolutum, Iris reticulata* 'Harmony' (Miniature Iris), *Iris sibirica* 'Papillon', *Iris sibirica* 'Sky Mirror', *Iris* 'Lavender Fair', *Iris* 'Fond Kiss', *Nerine bowdenii* (Jersey Lily) and *Nomocharis aperta*

Climbing Plants to greening system — Select from the following self-clinging climbing plants: *Akebia quinata* (Chocolate vine), *Clematis viticella* 'Purpurea Plena Elegans', *Humulus lupus* 'Aureus' (Hops), *Holboellia latifolia* (Sausage Vine), *Lonicera periclymenum* 'Serotina' (Honeysuckle), *Hydrangea anomala subsp. petiolaris* (Climbing Hydrangea), *Vitis coignetiae* (Vine), *Trachelospermum jasminoides* (Star Jasmine), *Passiflora caerulea* (Bluecrown Passionflower), *Wisteria sinensis* (Chinese Wisteria) *Rosa spp.* 'Mme Isaac Pereire', 'Mme Alfred Carriere' and 'The Generous Gardener' to 'green' wall with a 316 grade stainless steel trellis system INOX by Jakob or EQA

Additional Information
Planning Ref: SD22A/0466
July 2023

landscape design services

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PROJECT PROPOSED DEVELOPMENT AT TEMPLEVILLE DRIVE, TEMPLEOGUE, DUBLIN 6W, CO. DUBLIN		
CLIENT BARRY & SUSANNE COLEMAN		**PROJECT ARCHITECTS** COLIN MACKAY MRIAI
JOB NO. 23_235		**PLANNING PERMISSION REF** SD22A/0466
DRAWING PLANTING PLAN & OUTLINE PLANTING SCHEDULE		
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NOTES:
All dimensions are in millimetres unless otherwise stated and shall be checked and confirmed by the contractor on site. Any discrepancies shall be immediately reported to the landscape architects. Work to figured dimensions only - Do not scale from drawing. Not for Construction Purposes unless Specifically Marked.

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